

# How to find an Intership

## Student Group

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## Table of Contents

- How to find an Intership** ..... 2
- Possible Templates for Communication** ..... 2
- Email template for a unsolicited application (Initiativbewerbung) ..... 2
- Phone script (30 seconds) ..... 3
- via Job Portals** ..... 3
- “Indirect” directories (great for SMEs)** ..... 4
- Google operators** ..... 4
- Keywords ..... 4
- Add the region smartly ..... 5
- filter urls ..... 5
- Examples search strings ..... 5
- Examples for SME Jobs** ..... 5
- Job Fairs** ..... 6
- Calendar (between 01.10 – 31.12, recurring / usually each year) ..... 6
- How to use these fairs to find “hidden gem” internships (fast playbook) ..... 7
- The big List** ..... 7
- Search in the List ..... 7

# How to find an Internship

Be aware, that - depending on the economical situation - it might take up to 200 outreaches to find a suitable internship.

So, it is good to make a structured list (e.g. in EXCEL), to track how far the outreach proceed.

## Possible Templates for Communication

### Email template for a unsolicited application (Initiativbewerbung)

Betreff: Pflichtpraktikum / Praxissemester – Embedded/Elektronik – ab  
<Monat Jahr> (12–20 Wochen)

Guten Tag Herr/Frau <Name>,

ich studiere <Studiengang> an der <Hochschule> und suche ein  
<Pflichtpraktikum/Praxissemester> ab <Datum>.

Ich kann Ihr Team konkret unterstützen bei:

- <1> (z.B. Embedded C / STM32 / RTOS / CAN)
- <2> (z.B. Prüfaufbauten / Python Testautomation / HIL)
- <3> (z.B. PCB-Layout / Altium / Inbetriebnahme)

Kurzprofil: <1 Satz – was du schon gebaut/getestet hast>.

Anbei: CV + Notenübersicht + 1 Seite Projektportfolio.

<optional>

Ich bin auf Ihr Unternehmen aufmerksam geworden, weil <1 kurzer Bezug:  
Produkt/Technologiefeld/Branche>.

Falls es grundsätzlich denkbar ist, Praktika in Ihrem Bereich zu  
betreuen:

Könnten Sie mir ggf. sagen, ob es bei Ihnen eine passende  
Ansprechperson gibt (fachlich/technisch)

oder ob Sie mir empfehlen würden, mich über einen bestimmten Weg zu  
bewerben?

Viele Grüße

<Name>

<Tel> | <LinkedIn/GitHub> | <E-Mail>

Why this template is likely to work:

1. Recruiters skim extremely fast.
  - In an eye-tracking study, the average initial resume screen was ~7.4 seconds, see [TheLadders Eye-Tracking Study \(PDF\)](#)
  - “Good” resumes shared: clear section/title headers, job titles that pop, and bullet-style accomplishment lists (F-/E-pattern scanning). Cluttered, long-sentence layouts performed

worse.

2. German application guidance explicitly recommends short, value-first openings, see [StepStone: Einleitungssatz Bewerbung](#)
  - opening should be max 2-3 sentences
  - avoid generic phrases
  - explicitly “Mehrwert betonen”.
3. For Germany, email+PDF routing/forwarding is the normal “plumbing” for SMEs too, see [Absolventa: Bewerbung per E-Mail](#).
  - for email applications (incl. Initiativbewerbungen), combine the whole application into one digital file (PDF), because it can be forwarded internally quickly to the right person.
  - The email subject should clearly state what you apply for so it can be assigned correctly.

## Phone script (30 seconds)

```
Hallo, mein Name ist <Name>, ich studiere <Studiengang> an der
<Hochschule>.
Ich habe Ihnen eine kurze Initiativbewerbung für ein Praxissemester
geschickt (Embedded/Elektronik).
Ist das bei Ihnen angekommen – und wer wäre die richtige technische
Ansprechperson?
```

## via Job Portals

In the following some relevant search engines are shown.

Be aware that the following links are already partially filtered by:

- vicinity to Heilbronn
- Praktikum

You might also look for keywords like

- Elektrotechnik, Elektronik, Electronics
- Embedded, Microcontroller
- ECAD,
- EMC, EMV

The following list covers relevant job search sites:

1. [Stepstone](#) - strong in Germany; good filters by city/region
2. [Xing Jobs](#) - Germany-heavy.
  - Refine the search by the “hamburger menu” with
    1. Search radius: as you wish
    2. Employment type: Student
    3. Career level: Student/Intern
3. [LinkedIn Jobs](#) - best for “embedded/firmware” and direct networking
4. [Jobware](#)
5. [GlassDoor](#)

6. [XING - Praktikum Jobs](#)
7. [Absolventa](#)
8. [Bundesagentur für Arbeit - Jobsuche \(Praktika\)](#) - often overlooked, but does not have as much results  
Refine the search by clicking onto "Arbeit" below "Was suchen Sie?" and change it to "Praktikum/Trainee/Werkstudent"

## "Indirect" directories (great for SMEs)

The following websites are good spots to find small and medium enterprises ("**SME's**") which might look for engineers.

An unsolicited application to them would a a good idea. 

1. [get in Engineering job search](#)
2. [Fachverband microtec-suedwest](#)
3. [Clusterportal BW](#)
4. [Korporative Mitglieder des VDE Württemberg](#)

Also via the B2B supplier directory one can find EMS/automation integrators fast:

1. [wlw.de: Elektronik-Fertigung \(Heilbronn\)](#)
2. [wlw.de: Elektronik-Fertigung \(Stuttgart\)](#)
3. [wlw.de: Elektronik-Fertigung \(Karlsruhe\)](#)

Additionally, exhibitors are companies which are actively selling & building new products. They often hiring quietly.

also companies from there are suitable for an internship

- [embedded world exhibitors](#)
- [SPS \(automation\) exhibitors](#)
- [Control \(quality/testing\) exhibitors](#)
- [Motek \(production/automation\) exhibitor directory](#)
- [All About Automation](#)
- [Expo for Electronics Manufacturing](#)

## Google operators

### Keywords

Suitable keywords for electronics topics:

- Entwicklungsingenieur, Elektronikentwicklung, Hardwareentwicklung, Automatisierung,
- Prüftechnik, Prüfstand, Testautomatisierung, Hardware-in-the-Loop
- Mikrocontroller, Embedded Software, firmware
- EMV, EMC, EMS, Pre-Compliance
- Leistungselektronik, power electronics, DC/DC, Inverter, Motorsteuerung, BMS, Batterie Management, SiC, GaN, power electronics, Schaltnetzteil
- PCB Layout, Leiterplattenlayout, Altium, kiCAD, ECAD, Leiterplattenbestückung,

Suitable keywords for roles:

- ( "Internship" OR "Working student" OR "Bachelorarbeit" OR "Masterarbeit" OR "Abschlussarbeit" OR "Pflichtpraktikum" OR "Werkstudent" OR "Praxissemester" OR "Praktikum" )

## Add the region smartly

Append one of these blocks:

- (Heilbronn OR Neckarsulm OR "Region Stuttgart" OR Ludwigsburg OR Böblingen OR Sindelfingen OR Esslingen)
- (Karlsruhe OR Ettlingen OR Bruchsal OR Pforzheim OR "Technologieregion Karlsruhe")
- (Mannheim OR Heidelberg OR Ludwigshafen OR "Rhein-Neckar")

## filter urls

Often the URLs of the companies have "job-relevant" keywords, like:

- inurl:karriere
- inurl:jobs
- inurl:stellen

## Examples search strings

Search **career pages** directly:

- ("Praktikum" OR "Praxissemester" OR "Werkstudent") (Embedded OR Elektronik OR Prüftechnik) (Heilbronn OR Stuttgart OR Karlsruhe OR Mannheim) inurl:karriere
- (Praxissemester OR Abschlussarbeit) Elektronik inurl:jobs
- (Prüftechnik OR EMV OR EMC) Praktikum inurl:stellen

Exclude giants (reduce noise):

- ("Praktikum Embedded" Stuttgart) -Bosch -Porsche -Mercedes -Daimler -SAP -ZF -Continental

General search for suitable companies

- ("Leiterplattenbestückung" OR EMS OR "Elektronikfertigung") (Heilbronn OR Karlsruhe OR Mannheim)

Search LinkedIn via Google

- site:linkedin.com/jobs ("Werkstudent" AND Embedded AND Stuttgart)
- site:linkedin.com/company ("Elektronik" AND "Karriere") Stuttgart

## Examples for SME Jobs

Examples for possible jobs beyond the big players (from 16.12.25):

1. ATS Automation - Praktikum in Engineering & Design
2. Schulz Group - Praktikant / Werkstudent (m/w/d) Produktentwicklung – Konstruktion & Elektronik

3. Carrybots - Installation und Deployment Mobile Roboter, Softwareentwicklung Robotik ROS
4. VEGA Grieshaber - Abschlussarbeit/Praktikum/Werkstudententätigkeit: Hardware oder Software im Bereich Embedded Systems

## Job Fairs

**Important:** dates shift slightly each year - start checking **Aug/Sep** and bookmark the “event calendar” pages.

A quick list of the job fairs that regularly deliver SMEs and “hidden gems”

- **MeetING (HHN, Heilbronn)** - engineering-focused, very regional (Oct)
- **CareerContacts (HKA, Karlsruhe)** - multiple days, includes engineering faculties (Oct)
- **IT-Mittelstandstag (HS Esslingen)** - explicitly SME-focused (Nov)
- **StepIn (Uni Stuttgart)** - all engineering, annual (Nov)
- **bonding Firmenkontaktmesse Karlsruhe** - big student fair; many suppliers/SMEs participate (late Nov)

### Calendar (between 01.10 - 31.12, recurring / usually each year)

When (usually)	Event	Where	Why it's useful for electronics/embedded internships	Link
October (early/mid)	<b>MeetING (Firmenkontaktmesse für Ingenieur-Studierende)</b>	Hochschule Heilbronn (TechCampus)	Regional employers, suppliers, engineering services; easy to ask for Praxissemester/Praktikum	<a href="#">MeetING (HHN)</a>
October (20-23-ish)	<b>CareerContacts</b>	Hochschule Karlsruhe (HKA)	Multi-day career fair; includes engineering & IT; good for “quiet hiring”	<a href="#">CareerContacts (HKA)</a>
October (mid/late)	<b>Karrieretag Karlsruhe</b> (open fair)	Karlsruhe (e.g., Schwarzwaldhalle)	General fair, but often many regional SMEs + direct CV checks	<a href="#">Karrieretag Karlsruhe (Stadt-Kalender)</a>
October (mid/late)	<b>CareerSprint Mittelstand</b>	TH Mannheim	Campus-based “Mittelstand” format; good for internships/theses	<a href="#">CareerSprint Mittelstand (TH Mannheim)</a>
October (mid/late)	<b>Aalener Industriemesse (AIM for students)</b>	Hochschule Aalen	Classic engineering student fair; many tech companies from BW	<a href="#">AIM for students (Aalen)</a>
Oct-Dec (lecture series)	<b>Hohenheimer CareerDays</b>	Universität Hohenheim (Stuttgart)	Company talks + networking; some industrial/tech companies show up	<a href="#">Hohenheimer CareerDays</a>
November (early)	<b>MeetIT</b>	Hochschule Heilbronn (TechCampus)	Great for embedded/IoT/software-near-hardware internships	<a href="#">MeetIT (HHN)</a>
November (early, Wed)	<b>IT-Mittelstandstag</b>	Hochschule Esslingen	SME-heavy by design; ideal for “hidden gems”	<a href="#">IT-Mittelstandstag (HS Esslingen)</a>
November (mid)	<b>Informatik-Kontaktmesse</b>	Universität Stuttgart (Informatikgebäude)	Not only IT: many embedded/automation employers recruit here too	<a href="#">Informatik-Kontaktmesse (Uni Stuttgart)</a>
November (mid/late)	<b>StepIn - Firmenkontaktmesse</b>	Universität Stuttgart (Campus Vaihingen)	Annual engineering fair; practical for Praktikum/Bachelor/Master topics	<a href="#">StepIn (Uni Stuttgart/TRACES)</a>
Late November	<b>bonding Firmenkontaktmesse Karlsruhe</b>	Karlsruhe	Very big student fair; many SMEs, suppliers, engineering services	<a href="#">bonding Karlsruhe</a>
December (early)	<b>Firmenkontaktmesse (e.g., SimTech / Uni Stuttgart)</b>	Universität Stuttgart (Campus Vaihingen)	Often niche/tech-specific companies; good for R&D internships	<a href="#">SimTech Firmenkontaktmesse (example page)</a>
December (support events)	<b>Career Service workshops</b> (CV checks etc.)	Uni Stuttgart / online	Not a fair, but boosts application quality fast (useful for internationals)	<a href="#">TRACES event calendar</a>
December (networking)	<b>VDE After Work Stuttgart</b>	Stuttgart	Short networking evening; good for informal contacts + hidden roles	<a href="#">VDE After Work Stuttgart</a>

## How to use these fairs to find “hidden gem” internships (fast playbook)

### 1. 2-3 weeks before

1. Download exhibitor lists; pick **20 target SMEs** (suppliers, test houses, automation integrators, EMS/PCB, energy/storage).
2. Prepare a **30-second pitch** + 1-page CV (German-style).
3. Book time slots if the fair uses a matching platform.

### 2. At the fair

1. Ask **directly**: “Do you supervise Praxissemester/Praktikum projects even if nothing is advertised?”
2. Ask for **the technical hiring person** (team lead / lab engineer), not only HR.

### 3. Within 24-48 hours

1. Send follow-up email: “Nice meeting you + 2 internship project ideas I can execute in 12 weeks.”

## The big List

In recent years, the “big players” have been more cautious about hiring employees and posting job openings, even for internships.

So you can look around there—but don't feel sorry for yourself if you get rejected.

The following list might be of help to find a suitable company.

Be aware that the list was aggregated by an AI - so, it could contain mistakes.

### Search in the List

You can use the search textbox on the right side to filter for these tags:

- Automotive/Mobility; Commercial Vehicles; Tier-1 Supplier;
- Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Robotics; Sensors/Industrial Sensing; Industrial Networking/IIoT;
- Power Electronics; Battery/BMS/E-Mobility;
- Test & Measurement; Medical Devices/MedTech; Aerospace/Avionics; Defence/Security; Rail/Signalling; Semiconductors/IC Design; Optics/Imaging/Metrology;
- Process Instrumentation; Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level;
- Electronics Design (Schematic/PCB); EMC/EMI; FPGA; ASIC/Mixed-Signal;
- Sensor Fusion; Signal Processing; Computer Vision/Embedded Vision; Connectivity/IoT Devices;
- CAN/LIN; Industrial Ethernet; PROFINET; EtherCAT; IO-Link; OPC UA; MQTT; Bluetooth/Wi-Fi; Fieldbus;
- V&V; Testing/Test Automation; HIL/SIL;
- Requirements; Systems Engineering; MBD;
- CI/CD (Embedded); Diagnostics/Calibration;
- Functional Safety; ISO 26262; IEC 61508; EN 50128/50129; DO-178C/DO-254; Cybersecurity (Embedded); IEC 62443;
- Motor Control; Closed-Loop Control;
- Mechatronic Systems; Actuators; Inverters/Converters; Measurement Technology;
- AI; Edge AI; AI in manufacturing; embedded AI; Other AI Usage;

Examples are:

- Edge --> Search for Edge AI

- AI ; --> Search for AI OR Edge AI; OR embedded AI;
- Emb mechat r --> Search for (Embedded Software OR Embedded C/Cpp; OR Embedded Linux; OR Embedded Vision; OR CI/CD (Embedded) OR Cybersecurity (Embedded) OR embedded AI;) AND Mechatronic Systems;

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
1	Big	<a href="#">ABB</a>	Industrial automation, drives and robotics with lots of embedded control and connectivity work.	Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Robotics; Industrial Networking/IIoT; Embedded Software; Firmware; Embedded C/Cpp; RTOS; Industrial Ethernet; PROFINET; OPC UA; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more
2	Big	<a href="#">Agilent Technologies</a>	Test/measurement and lab instruments with embedded electronics and firmware-heavy product development.	Test & Measurement; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Connectivity/IoT Devices; V&V; Testing/Test Automation	Baden-Württemberg + more
3	Big	<a href="#">ALSTOM</a>	Rail engineering with safety-critical embedded software, signalling and traction systems.	Rail/Signalling; EN 50128/50129; Functional Safety; Systems Engineering; Requirements; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; V&V; Testing/Test Automation	Baden-Württemberg + more
4	Big	<a href="#">AMETEK</a>	Instrumentation group spanning sensing, electronics and embedded-adjacent engineering roles.	Test & Measurement; Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; V&V	Nordrhein-Westfalen, Hessen + more
5	Big	<a href="#">Airbus</a>	Aerospace/defence systems with avionics, embedded SW/HW and certification-heavy engineering.	Aerospace/Avionics; Defence/Security; DO-178C/DO-254; Systems Engineering; Requirements; Embedded Software; Embedded C/Cpp; RTOS; FPGA; Signal Processing; Cybersecurity (Embedded)	Bayern, Baden-Württemberg + more
6	Big	<a href="#">Audi</a>	Automotive OEM with ECU/vehicle electronics, embedded software and validation roles.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Systems Engineering; Connectivity/IoT Devices	Baden-Württemberg, Bayern + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)	
7	Big	<a href="#">B. Braun (Aesculap)</a>	Medical devices with embedded electronics, firmware and regulated V&V work.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Requirements; Systems Engineering; Cybersecurity (Embedded); Connectivity/IoT Devices	Hessen, Baden-Württemberg + more	
8	Big	<a href="#">Bosch Rexroth</a>	Automation and motion control (drives, hydraulics) with embedded control and industrial comms.	Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Power Electronics; Motor Control; Closed-Loop Control; Industrial Ethernet; EtherCAT; PROFINET; OPC UA; Embedded Software; Firmware	Bayern, Baden-Württemberg + more	
9	Big	<a href="#">Bosch</a>	Major hub for sensors, ECUs, IoT devices and embedded SW/HW across many domains.	Automotive/Mobility; Industrial Automation; Sensors/Industrial Sensing; Connectivity/IoT Devices; Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Functional Safety; ISO 26262	Baden-Württemberg + more	
10	Big	<a href="#">BSH Home Appliances</a>	Connected appliances with electronics, firmware, EMC and IoT product development.	Connectivity/IoT Devices; Embedded Software; Firmware; Embedded Linux; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bayern, Baden-Württemberg + more	
11	Big	<a href="#">BorgWarner</a>	E-mobility and power electronics supplier with embedded control and validation.	Automotive/Mobility; Tier-1 Supplier; Power Electronics; Battery/BMS/E-Mobility; Inverters/Converters; Motor Control; Embedded Software; Firmware; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Baden-Württemberg + more	
12	Big	<a href="#">Continental</a>	Automotive electronics and embedded platforms (ADAS/connectivity) with safety and V&V.	Automotive/Mobility; Tier-1 Supplier; Sensors/Industrial Sensing; Sensor Fusion; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Functional Safety; ISO 26262; V&V; HIL/SIL; Cybersecurity (Embedded)	Niedersachsen, Baden-Württemberg + more	
13	Big	<a href="#">Daimler Truck</a>	Commercial-vehicle systems with embedded software, ECUs, validation and E/E integration.	Commercial Vehicles; Automotive/Mobility; Embedded Software; Embedded C/Cpp; RTOS; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Systems Engineering; Connectivity/IoT Devices	Baden-Württemberg + more	
14	Big	<a href="#">Diehl Group</a>	Aerospace/defence electronics with embedded systems, certification and security topics.	Aerospace/Avionics; Defence/Security; Electronics Design (Schematic/PCB); Embedded Software; RTOS; DO-178C/DO-254; Requirements; Systems Engineering; V&V; Cybersecurity (Embedded)	Bayern + more	

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
15	Big	<a href="#">Eaton</a>	Power management with power electronics and embedded control across industry and mobility.	Power Electronics; Inverters/Converters; Industrial Automation; Battery/BMS/E-Mobility; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Nordrhein-Westfalen + more
16	Big	<a href="#">ebm-papst</a>	Motors and fans with embedded motor control, power electronics and connected devices.	Drives & Motion Control; Motor Control; Power Electronics; Inverters/Converters; Closed-Loop Control; Embedded Software; Firmware; Mechatronic Systems; Connectivity/IoT Devices; EMC/EMI	Baden-Württemberg + more
17	Big	<a href="#">Endress+Hauser</a>	Process instrumentation with sensors, embedded firmware and industrial field communication.	Process Instrumentation; Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Industrial Ethernet; IO-Link; Fieldbus; OPC UA; Electronics Design (Schematic/PCB); EMC/EMI	Baden-Württemberg + more
18	Big	<a href="#">Festo</a>	Factory automation with embedded motion/control, robotics and industrial connectivity.	Industrial Automation; Factory Automation/Machinery; Robotics; Drives & Motion Control; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; OPC UA	Baden-Württemberg + more
19	Big	<a href="#">FORVIA</a>	Automotive supplier with embedded electronics/software across multiple product domains.	Automotive/Mobility; Tier-1 Supplier; Embedded Software; Embedded Linux; CAN/LIN; Connectivity/IoT Devices; Testing/Test Automation; V&V; Functional Safety; ISO 26262	Baden-Württemberg + more
20	Big	<a href="#">FORVIA HELLA</a>	Automotive electronics (lighting/sensing) with embedded SW/HW and safety processes.	Automotive/Mobility; Tier-1 Supplier; Sensors/Industrial Sensing; Embedded Software; Embedded C/Cpp; RTOS; CAN/LIN; Electronics Design (Schematic/PCB); Functional Safety; ISO 26262; V&V; Testing/Test Automation	Nordrhein-Westfalen, Baden-Württemberg + more
21	Big	<a href="#">Getinge</a>	MedTech systems with electronics, embedded software and regulated verification/validation.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg + more
22	Big	<a href="#">HARMAN</a>	Infotainment/connected systems with embedded Linux, audio/DSP and device connectivity.	Automotive/Mobility; Embedded Linux; Embedded Software; Connectivity/IoT Devices; Bluetooth/Wi-Fi; Cybersecurity (Embedded); Testing/Test Automation; V&V; Systems Engineering	Bayern + more
23	Big	<a href="#">Herrenknecht</a>	Heavy machinery with automation, motion control and embedded/controls engineering.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Power Electronics; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Systems Engineering; V&V	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
24	Big	<a href="#">HENSOLDT</a>	Sensor systems (radar/optronics) with embedded real-time processing and system engineering.	Defence/Security; Sensors/Industrial Sensing; Signal Processing; Sensor Fusion; Embedded Software; Embedded C/Cpp; RTOS; FPGA; Systems Engineering; Requirements; Cybersecurity (Embedded)	Baden-Württemberg, Bayern + more
25	Big	<a href="#">IBM</a>	Edge/AI, systems and security work with strong engineering practices and tooling.	AI; Edge AI; Other AI Usage; Industrial Networking/IIoT; Connectivity/IoT Devices; Cybersecurity (Embedded); Systems Engineering; CI/CD (Embedded)	Baden-Württemberg + more
26	Big	<a href="#">ifm</a>	Industrial sensors and IIoT with firmware, IO-Link/industrial ethernet and device electronics.	Sensors/Industrial Sensing; Industrial Networking/IIoT; IO-Link; Industrial Ethernet; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Measurement Technology; Connectivity/IoT Devices	Baden-Württemberg + more
27	Big	<a href="#">John Deere</a>	Mobile machines with embedded control, sensing and automation (incl. electrification).	Automotive/Mobility; Battery/BMS/E-Mobility; Motor Control; Embedded Software; Embedded C/Cpp; RTOS; CAN/LIN; Sensors/Industrial Sensing; Systems Engineering; HIL/SIL; Testing/Test Automation	Baden-Württemberg + more
28	Big	<a href="#">Kärcher</a>	Mechatronic devices with motor control, electronics, connectivity and firmware development.	Mechatronic Systems; Motor Control; Power Electronics; Connectivity/IoT Devices; Embedded Software; Firmware; Embedded C/Cpp; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg + more
29	Big	<a href="#">Knorr-Bremse</a>	Rail and CV braking systems with embedded safety/control and rigorous V&V.	Rail/Signalling; Commercial Vehicles; Functional Safety; ISO 26262; EN 50128/50129; Embedded Software; RTOS; Embedded C/Cpp; Systems Engineering; V&V; Testing/Test Automation	Bayern, Baden-Württemberg + more
30	Big	<a href="#">Liebherr</a>	Machinery and equipment with embedded control, drives and power electronics.	Factory Automation/Machinery; Drives & Motion Control; Motor Control; Power Electronics; Embedded Software; Firmware; Mechatronic Systems; Systems Engineering; V&V	Baden-Württemberg, Bayern + more
31	Big	<a href="#">MAHLE</a>	Automotive supplier with e-mobility electronics and embedded control development.	Automotive/Mobility; Tier-1 Supplier; Battery/BMS/E-Mobility; Power Electronics; Inverters/Converters; Motor Control; Embedded Software; ISO 26262; Testing/Test Automation; V&V	Baden-Württemberg + more
32	Big	<a href="#">Magna</a>	Tier-1 supplier with mechatronics/electronics and embedded SW across many product lines.	Automotive/Mobility; Tier-1 Supplier; Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Embedded C/Cpp; RTOS; CAN/LIN; Electronics Design (Schematic/PCB); ISO 26262; V&V; Testing/Test Automation	Baden-Württemberg, Bayern + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)	
33	Big	<a href="#">MANN+HUMMEL</a>	Industrial/automotive solutions with sensing/monitoring and embedded-enabled products.	Sensors/Industrial Sensing; Connectivity/IoT Devices; Embedded Software; Firmware; Industrial Networking/IIoT; Measurement Technology; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more	
34	Big	<a href="#">Marquardt</a>	Mechatronic systems and electronics with embedded SW/HW, security and safety processes.	Automotive/Mobility; Tier-1 Supplier; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Functional Safety; ISO 26262; Cybersecurity (Embedded); Connectivity/IoT Devices	Baden-Württemberg + more	
35	Big	<a href="#">Mercedes-Benz Group (formerly Daimler AG)</a>	Vehicle electronics/software with embedded platforms, integration, diagnostics and validation roles.	Automotive/Mobility; Embedded Software; Embedded Linux; RTOS; Embedded C/Cpp; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Cybersecurity (Embedded)	Baden-Württemberg + more	
36	Big	<a href="#">Parker Hannifin</a>	Motion/control technologies with embedded control, sensors and power electronics.	Industrial Automation; Drives & Motion Control; Power Electronics; Motor Control; Closed-Loop Control; Sensors/Industrial Sensing; Embedded Software; Firmware; Systems Engineering	Baden-Württemberg + more	
37	Big	<a href="#">Pepperl+Fuchs</a>	Industrial sensing and hazardous-area tech with embedded firmware and industrial networking.	Sensors/Industrial Sensing; Process Instrumentation; Industrial Networking/IIoT; Industrial Ethernet; IO-Link; Embedded Software; Firmware; Electronics Design (Schematic/PCB); IEC 61508; Functional Safety; EMC/EMI	Baden-Württemberg + more	
38	Big	<a href="#">Porsche</a>	Automotive development with embedded ECUs, safety, validation and integration roles.	Automotive/Mobility; Embedded Software; RTOS; Embedded Linux; Embedded C/Cpp; CAN/LIN; Functional Safety; ISO 26262; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more	
39	Big	<a href="#">Rheinmetall</a>	Defence and technology group with embedded electronics, systems engineering and testing.	Defence/Security; Sensors/Industrial Sensing; Embedded Software; RTOS; Embedded C/Cpp; Systems Engineering; Requirements; V&V; Testing/Test Automation; Cybersecurity (Embedded); Signal Processing	Nordrhein-Westfalen, Baden-Württemberg + more	
40	Big	<a href="#">Roche Diagnostics</a>	Diagnostic instruments with embedded control, electronics and regulated V&V/QA.	Medical Devices/MedTech; Sensors/Industrial Sensing; Embedded Software; Embedded Linux; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Requirements; Cybersecurity (Embedded)	Baden-Württemberg + more	

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41	Big	<a href="#">Rohde &amp; Schwarz</a>	RF test & measurement with embedded systems, FPGA/signal processing and cybersecurity.	Test & Measurement; Measurement Technology; Embedded Software; Embedded Linux; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; FPGA; Signal Processing; Cybersecurity (Embedded); V&V	Bayern, Baden-Württemberg + more
42	Big	<a href="#">Rolls-Royce Power Systems</a>	High-power engines/energy systems with ECU controls, diagnostics and embedded SW.	Drives & Motion Control; Power Electronics; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Diagnostics/Calibration; Testing/Test Automation; V&V	Baden-Württemberg + more
43	Big	<a href="#">SAP</a>	Industrial and IoT software/edge solutions; strong for software-heavy theses and tooling.	Industrial Networking/IIoT; Connectivity/IoT Devices; AI; Edge AI; Other AI Usage; Systems Engineering; CI/CD (Embedded); Cybersecurity (Embedded)	Baden-Württemberg + more
44	Big	<a href="#">Schaeffler</a>	Mechatronic components with sensing/actuation and embedded control across mobility/industry.	Automotive/Mobility; Tier-1 Supplier; Mechatronic Systems; Sensors/Industrial Sensing; Battery/BMS/E-Mobility; Embedded Software; Functional Safety; ISO 26262; Testing/Test Automation	Bayern, Baden-Württemberg + more
45	Big	<a href="#">SICK</a>	Industrial sensors/vision with embedded firmware, signal processing and field connectivity.	Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Firmware; Signal Processing; Measurement Technology; V&V	Baden-Württemberg + more
46	Big	<a href="#">Siemens</a>	Industrial automation/digitalization with embedded systems, networking and security.	Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; PROFINET; OPC UA; Drives & Motion Control; Embedded Software; Firmware; Systems Engineering; Cybersecurity (Embedded); Testing/Test Automation	Bayern, Baden-Württemberg + more
47	Big	<a href="#">STIHL</a>	Power tools with motor control, batteries, power electronics and embedded firmware.	Mechatronic Systems; Motor Control; Power Electronics; Battery/BMS/E-Mobility; Embedded Software; Firmware; EMC/EMI; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg + more
48	Big	<a href="#">Stryker</a>	MedTech products and manufacturing with electronics/embedded roles and strong quality systems.	Medical Devices/MedTech; Embedded Software; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Requirements; Cybersecurity (Embedded); Systems Engineering	Baden-Württemberg + more
49	Big	<a href="#">Syntegon</a>	Packaging/processing machines with automation, industrial comms and embedded controls.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Industrial Networking/IIoT; OPC UA; Embedded Software; Firmware; V&V; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more

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50	Big	<a href="#">TRUMPF</a>	Laser/machine tools with real-time control, industrial electronics and automation stacks.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Power Electronics; Motor Control; Closed-Loop Control; Industrial Networking/IIoT; Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg + more	
51	Big	<a href="#">Valeo</a>	Automotive supplier (sensors/electronics) with embedded SW, safety and V&V.	Automotive/Mobility; Tier-1 Supplier; Sensors/Industrial Sensing; Embedded Software; Embedded C/Cpp; RTOS; CAN/LIN; Functional Safety; ISO 26262; Sensor Fusion; V&V; Testing/Test Automation	Baden-Württemberg + more	
52	Big	<a href="#">Voith</a>	Drive and automation systems with embedded control, power electronics and system engineering.	Drives & Motion Control; Industrial Automation; Factory Automation/Machinery; Power Electronics; Embedded Software; Firmware; Systems Engineering; V&V; Testing/Test Automation	Baden-Württemberg + more	
53	Big	<a href="#">ZEISS</a>	Optics/imaging/metrology with embedded systems, vision and precision mechatronics.	Optics/Imaging/Metrology; Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Embedded Software; Signal Processing; Electronics Design (Schematic/PCB); Systems Engineering; V&V; AI; Edge AI	Baden-Württemberg + more	
54	Big	<a href="#">ZF Friedrichshafen</a>	Mobility systems with ECUs, e-drives and safety-critical embedded platforms.	Automotive/Mobility; Commercial Vehicles; Tier-1 Supplier; Battery/BMS/E-Mobility; Power Electronics; Embedded Software; RTOS; CAN/LIN; Functional Safety; ISO 26262; HIL/SIL; V&V; Testing/Test Automation	Baden-Württemberg, Bayern + more	
55	Big	<a href="#">ZIEHL-ABEGG</a>	Fans/motors and control tech with embedded motor control and power electronics.	Drives & Motion Control; Motor Control; Power Electronics; Closed-Loop Control; Embedded Software; Firmware; Mechatronic Systems; Industrial Networking/IIoT; Connectivity/IIoT Devices; EMC/EMI	Baden-Württemberg + more	
56	Medium	<a href="#">AMETEK CTS</a>	EMC compliance test systems and instrumentation—good for HW, EMC and test engineering.	EMC/EMI; Test & Measurement; Measurement Technology; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation	Nordrhein-Westfalen + more	
57	Medium	<a href="#">Balluff</a>	Industrial sensors/IO-Link with firmware, industrial ethernet and device electronics.	Sensors/Industrial Sensing; IO-Link; Industrial Ethernet; Industrial Networking/IIoT; Embedded Software; Firmware; Electronics Design (Schematic/PCB); OPC UA; Connectivity/IIoT Devices	Baden-Württemberg	
58	Medium	<a href="#">Baumer</a>	Sensors and encoders with embedded firmware, industrial interfaces and electronics development.	Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Industrial Ethernet; IO-Link; Electronics Design (Schematic/PCB)	Hessen, Nordrhein-Westfalen, Berlin + more	

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59	Medium	<a href="#">Bertrandt</a>	Engineering services with lots of embedded projects, requirements and test/validation work.	Systems Engineering; Requirements; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Baden-Württemberg + more
60	Medium	<a href="#">Bizerba</a>	Weighing/inspection systems with embedded control, measurement electronics and connectivity.	Factory Automation/Machinery; Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; V&V	Baden-Württemberg + more
61	Medium	<a href="#">Bosch Engineering</a>	Embedded SW/HW and vehicle systems engineering services incl. HIL/SIL and calibration.	Automotive/Mobility; Embedded Software; Firmware; Testing/Test Automation; V&V; HIL/SIL; Diagnostics/Calibration; Functional Safety; ISO 26262; Systems Engineering	Baden-Württemberg
62	Medium	<a href="#">Bosch Sensortec</a>	MEMS sensors with firmware/algorithms, sensor fusion and low-power embedded development.	Sensors/Industrial Sensing; Semiconductors/IC Design; ASIC/Mixed-Signal; Embedded Software; Firmware; Signal Processing; Sensor Fusion; V&V	Baden-Württemberg + more
63	Medium	<a href="#">Bürkert</a>	Fluid control with embedded controllers, sensors and industrial field communication.	Process Instrumentation; Sensors/Industrial Sensing; Embedded Software; Firmware; Industrial Ethernet; Fieldbus; IO-Link; Closed-Loop Control; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
64	Medium	<a href="#">BDT Media Automation</a>	Automation systems with controls, mechatronics and embedded/software integration.	Factory Automation/Machinery; Industrial Automation; Robotics; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering; Industrial Networking/IIoT	Baden-Württemberg + more
65	Medium	<a href="#">Delta Energy Systems</a>	Power electronics for charging/industrial supply with embedded control and EMC topics.	Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V; Motor Control	Baden-Württemberg
66	Medium	<a href="#">dSPACE</a>	HIL/SIL and toolchain leader—excellent for embedded testing, MBD and automation.	HIL/SIL; Testing/Test Automation; V&V; MBD; Requirements; Systems Engineering; Automotive/Mobility; Embedded Software	Nordrhein-Westfalen, Baden-Württemberg + more
67	Medium	<a href="#">Dürr Group</a>	Factory automation/robotics with controls, IIoT connectivity and embedded components.	Factory Automation/Machinery; Industrial Automation; Robotics; Industrial Networking/IIoT; OPC UA; Embedded Software; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more
68	Medium	<a href="#">Eberspächer</a>	Automotive systems with ECU development, embedded software and functional safety processes.	Automotive/Mobility; Tier-1 Supplier; Embedded Software; CAN/LIN; Diagnostics/Calibration; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Baden-Württemberg + more
69	Medium	<a href="#">E.G.O.</a>	Appliance controls and components with embedded firmware, EMC and validation topics.	Connectivity/IoT Devices; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V; Mechatronic Systems	Baden-Württemberg + more

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70	Medium	<a href="#">EringKlinger</a>	E-mobility/system integration with testing, validation and electronics touchpoints.	Automotive/Mobility; Battery/BMS/E-Mobility; Power Electronics; Testing/Test Automation; V&V; Systems Engineering; Embedded Software	Baden-Württemberg + more
71	Medium	<a href="#">ETAS</a>	Embedded tooling/middleware and calibration/diagnostics with strong CI/CD and security themes.	Embedded Software; Diagnostics/Calibration; Testing/Test Automation; CI/CD (Embedded); Automotive/Mobility; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg + more
72	Medium	<a href="#">Freudenberg Sealing Technologies</a>	High-tech components and test engineering with sensing/mechatronics intersections.	Mechatronic Systems; Sensors/Industrial Sensing; Testing/Test Automation; V&V; Systems Engineering; Automotive/Mobility	Baden-Württemberg + more
73	Medium	<a href="#">Hansgrohe</a>	Smart water products with embedded connectivity, firmware and device security themes.	Connectivity/IoT Devices; Embedded Software; Firmware; Bluetooth/Wi-Fi; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Cybersecurity (Embedded)	Baden-Württemberg + more
74	Medium	<a href="#">Hekatron</a>	Fire detection/safety systems with embedded electronics, networking and verification.	Sensors/Industrial Sensing; Embedded Software; Firmware; Connectivity/IoT Devices; Industrial Networking/IIoT; Functional Safety; IEC 61508; Testing/Test Automation; V&V; Electronics Design (Schematic/PCB)	Baden-Württemberg
75	Medium	<a href="#">Heidelberger Druckmaschinen</a>	Complex mechatronic machines with drives, control electronics and industrial networking.	Factory Automation/Machinery; Drives & Motion Control; Industrial Automation; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V	Baden-Württemberg + more
76	Medium	<a href="#">HIMA</a>	Safety automation with IEC 61508 focus, embedded systems and industrial cybersecurity.	Functional Safety; IEC 61508; Industrial Automation; Embedded Software; Requirements; Systems Engineering; V&V; Cybersecurity (Embedded); IEC 62443	Baden-Württemberg + more
77	Medium	<a href="#">Hirschmann Automation &amp; Control (Belden)</a>	Industrial networking devices with embedded Linux, protocols and cybersecurity.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; OPC UA; Embedded Linux; Embedded Software; Firmware; Cybersecurity (Embedded); IEC 62443	Baden-Württemberg + more
78	Medium	<a href="#">IMS CHIPS</a>	ASIC/sensor systems and mixed-signal electronics—very HW-near and thesis-friendly.	Semiconductors/IC Design; ASIC/Mixed-Signal; Sensors/Industrial Sensing; Electronics Design (Schematic/PCB); FPGA; Embedded Software; Signal Processing; V&V	Baden-Württemberg
79	Medium	<a href="#">IPG Automotive</a>	Simulation and test systems—strong fit for HIL/SIL, automation and V&V.	Testing/Test Automation; HIL/SIL; V&V; Automotive/Mobility; Systems Engineering; Requirements; Embedded Software	Baden-Württemberg + more
80	Medium	<a href="#">Jetter (Bucher Automation)</a>	Automation controllers/HMI with embedded software and industrial field interfaces.	Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Embedded Software; Firmware; Industrial Ethernet; Fieldbus; OPC UA; Closed-Loop Control	Baden-Württemberg

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81	Medium	<a href="#">KARL STORZ</a>	Med devices with optics, electronics and embedded software plus regulated validation.	Medical Devices/MedTech; Optics/Imaging/Metrology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation; Cybersecurity (Embedded); Systems Engineering	Baden-Württemberg + more	
82	Medium	<a href="#">Kurtz Ersä</a>	Electronics production equipment and automation with embedded control and test topics.	Factory Automation/Machinery; Electronics Design (Schematic/PCB); Testing/Test Automation; Industrial Automation; Embedded Software; EMC/EMI	Bayern, Baden-Württemberg + more	
83	Medium	<a href="#">Leuze</a>	Industrial sensors/safety components with firmware, IO-Link and industrial ethernet work.	Sensors/Industrial Sensing; Industrial Networking/IIoT; IO-Link; Industrial Ethernet; Embedded Software; Firmware; Functional Safety; IEC 61508; Electronics Design (Schematic/PCB)	Baden-Württemberg + more	
84	Medium	<a href="#">LEIBINGER</a>	Industrial inkjet systems with embedded control, electronics and connectivity.	Factory Automation/Machinery; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Industrial Networking/IIoT; Connectivity/IoT Devices; Testing/Test Automation; V&V	Baden-Württemberg	
85	Medium	<a href="#">LAPP</a>	Connectivity for industry—strong for industrial ethernet ecosystems and system engineering.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; Connectivity/IoT Devices; Systems Engineering	Baden-Württemberg + more	
86	Medium	<a href="#">Murrelektronik</a>	I/O and connectivity for automation with embedded firmware and industrial networks.	Industrial Networking/IIoT; Industrial Ethernet; IO-Link; Fieldbus; OPC UA; Connectivity/IoT Devices; Embedded Software; Firmware; Electronics Design (Schematic/PCB)	Baden-Württemberg + more	
87	Medium	<a href="#">Pilz</a>	Safety automation with embedded controllers, industrial networks and security (IEC 62443).	Functional Safety; IEC 61508; Industrial Automation; Robotics; Industrial Ethernet; PROFINET; EtherCAT; Embedded Software; Systems Engineering; V&V; IEC 62443; Cybersecurity (Embedded)	Baden-Württemberg + more	
88	Medium	<a href="#">Physik Instrumente (PI)</a>	Precision motion systems with closed-loop control, sensors and embedded controllers.	Drives & Motion Control; Closed-Loop Control; Motor Control; Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Measurement Technology	Baden-Württemberg + more	
89	Medium	<a href="#">R. STAHL</a>	Explosion protection and industrial systems with embedded electronics and cybersecurity topics.	Process Instrumentation; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Industrial Networking/IIoT; Industrial Ethernet; Functional Safety; IEC 61508; IEC 62443; Cybersecurity (Embedded)	Baden-Württemberg + more	

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90	Medium	<a href="#">SCHUNK</a>	Gripping/clamping/automation tech with mechatronics, actuators and embedded control.	Robotics; Industrial Automation; Mechatronic Systems; Actuators; Sensors/Industrial Sensing; Embedded Software; Closed-Loop Control; Drives & Motion Control	Baden-Württemberg + more
91	Medium	<a href="#">TDK-Micronas</a>	Automotive sensor ICs with mixed-signal design, firmware and functional safety context.	Semiconductors/IC Design; ASIC/Mixed-Signal; Sensors/Industrial Sensing; Signal Processing; Firmware; Embedded C/Cpp; Functional Safety; ISO 26262	Baden-Württemberg + more
92	Medium	<a href="#">Testo</a>	Measurement devices with sensor electronics, firmware and connected instrumentation.	Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Connectivity/IoT Devices; Bluetooth/Wi-Fi; Embedded Linux; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg + more
93	Medium	<a href="#">VEGA</a>	Process sensors (e.g., radar) with embedded firmware, industrial networks and electronics.	Process Instrumentation; Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Industrial Ethernet; Fieldbus; OPC UA; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
94	Medium	<a href="#">Vector Informatik</a>	Automotive embedded tooling and software engineering (AUTOSAR, networks, testing, CI/CD).	Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Diagnostics/Calibration; CI/CD (Embedded); Testing/Test Automation; HIL/SIL; Functional Safety; ISO 26262; Cybersecurity (Embedded); Systems Engineering	Baden-Württemberg + more
95	Medium	<a href="#">WITTENSTEIN</a>	Mechatronic drive systems with motion control, embedded controllers and system integration.	Drives & Motion Control; Motor Control; Closed-Loop Control; Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Firmware; Power Electronics; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
96	Medium	<a href="#">Würth Elektronik</a>	Electronics components/PCBs and modules—great for hardware, EMC and embedded product work.	Electronics Design (Schematic/PCB); EMC/EMI; Power Electronics; Connectivity/IoT Devices; Industrial Ethernet; Testing/Test Automation; Embedded Software; Firmware; Measurement Technology	Baden-Württemberg + more
97	SME	<a href="#">ALTEN</a>	Engineering services with many entry roles in embedded, test automation and systems engineering.	Systems Engineering; Requirements; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Baden-Württemberg + more
98	SME	<a href="#">Akkodis</a>	Engineering/IT services with embedded software, testing and systems engineering tracks.	Systems Engineering; Requirements; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Baden-Württemberg + more
99	SME	<a href="#">Bucher Automation</a>	Automation solutions with embedded controllers, industrial connectivity and commissioning work.	Industrial Automation; Factory Automation/Machinery; Embedded Software; Firmware; Industrial Ethernet; OPC UA; Testing/Test Automation	Baden-Württemberg + more

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100	SME	<a href="#">Capgemini Engineering</a>	Large engineering services org with embedded, V&V, CI/CD and cybersecurity projects.	Systems Engineering; Requirements; Embedded Software; V&V; Testing/Test Automation; CI/CD (Embedded); Cybersecurity (Embedded); Automotive/Mobility; Industrial Automation	Baden-Württemberg + more	
101	SME	<a href="#">Cinemo</a>	Embedded/automotive software (C/C++/Linux) for infotainment and multimedia stacks.	Automotive/Mobility; Embedded Linux; Embedded Software; Embedded C/C++; CI/CD (Embedded); Testing/Test Automation; Connectivity/IoT Devices	Baden-Württemberg + more	
102	SME	<a href="#">EDAG</a>	Engineering services across E/E, embedded and validation with strong automotive focus.	Automotive/Mobility; Systems Engineering; Requirements; Embedded Software; Electronics Design (Schematic/PCB); Testing/Test Automation; Functional Safety; ISO 26262	Hessen, Baden-Württemberg + more	
103	SME	<a href="#">embeX</a>	Embedded engineering (often safety-critical) with firmware, RTOS and structured V&V.	Embedded Software; Firmware; Embedded C/C++; RTOS; Functional Safety; ISO 26262; IEC 61508; V&V; Testing/Test Automation; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg	
104	SME	<a href="#">emtrion</a>	Embedded HW/SW development (boards, firmware, Linux/RTOS) with low-level work.	Embedded Linux; RTOS; Embedded Software; Firmware; Embedded C/C++; Electronics Design (Schematic/PCB); Device Drivers/Low-Level; Industrial Ethernet; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg	
105	SME	<a href="#">Exxeta</a>	Digital engineering with IIoT/edge and data-driven projects relevant for embedded-adjacent roles.	Industrial Networking/IIoT; Connectivity/IoT Devices; AI; Other AI Usage; Systems Engineering; CI/CD (Embedded)	Baden-Württemberg + more	
106	SME	<a href="#">FERCHAU</a>	Engineering services with many entry positions in embedded software, test and validation.	Systems Engineering; Requirements; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Niedersachsen, Baden-Württemberg + more	
107	SME	<a href="#">Fraunhofer (BW institutes)</a>	Applied research with many internships/theses in sensors, robotics, embedded and AI.	Sensors/Industrial Sensing; Industrial Automation; Robotics; Embedded Software; AI; Edge AI; Testing/Test Automation; Systems Engineering; Computer Vision/Embedded Vision; Signal Processing	Baden-Württemberg + more	
108	SME	<a href="#">FZI</a>	Applied research in robotics/AI/embedded systems with strong industry project exposure.	Robotics; Sensors/Industrial Sensing; Embedded Software; AI; Edge AI; Computer Vision/Embedded Vision; Industrial Networking/IIoT; Systems Engineering	Baden-Württemberg	
109	SME	<a href="#">Hahn-Schickard</a>	R&D for microsystems with embedded HW/SW, sensors and MedTech-oriented projects.	Medical Devices/MedTech; Sensors/Industrial Sensing; Semiconductors/IC Design; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V; Connectivity/IoT Devices	Baden-Württemberg + more	

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110	SME	<a href="#">HEINZMANN</a>	Drive/control technology with embedded motor control, power electronics and diagnostics.	Drives & Motion Control; Motor Control; Closed-Loop Control; Power Electronics; Inverters/Converters; Embedded Software; Firmware; Diagnostics/Calibration; Testing/Test Automation	Baden-Württemberg + more	
111	SME	<a href="#">HighTec EDV-Systeme</a>	Embedded toolchains/compilers and low-level software engineering for microcontrollers.	Embedded C/Cpp; Device Drivers/Low-Level; RTOS; Embedded Software; CI/CD (Embedded); Automotive/Mobility	Baden-Württemberg + more	
112	SME	<a href="#">IAV</a>	Automotive engineering with ECU development, calibration, embedded SW and validation.	Automotive/Mobility; Embedded Software; Diagnostics/Calibration; Testing/Test Automation; HIL/SIL; Systems Engineering; Requirements; Functional Safety; ISO 26262; CAN/LIN	Berlin, Baden-Württemberg + more	
113	SME	<a href="#">NewTec</a>	Safety-critical embedded systems across rail/aerospace/industry with strong V&V culture.	Embedded Software; RTOS; Firmware; Functional Safety; IEC 61508; EN 50128/50129; DO-178C/DO-254; V&V; Testing/Test Automation; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg + more	
114	SME	<a href="https://www.p3-group.com/portfolio">[https://www.p3-group.com/portfolio</a> P3 Group]]		Engineering/consulting with embedded, battery/e-mobility and safety-focused projects.	Automotive/Mobility; Battery/BMS/E-Mobility; Systems Engineering; Requirements; Testing/Test Automation; HIL/SIL; Functional Safety; ISO 26262; Cybersecurity (Embedded)	Baden-Württemberg + more
115	SME	<a href="#">Porsche Engineering</a>	Engineering services for embedded systems, E/E architecture, e-mobility and V&V.	Automotive/Mobility; Embedded Software; Systems Engineering; Requirements; Testing/Test Automation; HIL/SIL; Functional Safety; ISO 26262; Battery/BMS/E-Mobility	Baden-Württemberg + more	
116	SME	<a href="#">SensoPart</a>	Vision/sensors for automation with embedded firmware, signal processing and interfaces.	Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Embedded Software; Firmware; Signal Processing; Industrial Ethernet; IO-Link; Testing/Test Automation	Baden-Württemberg	
117	SME	<a href="#">Synapticon</a>	Motion-control electronics for robotics with embedded control, power electronics and EtherCAT.	Drives & Motion Control; Motor Control; Power Electronics; Inverters/Converters; Closed-Loop Control; Embedded Software; Firmware; RTOS; Industrial Ethernet; EtherCAT; Robotics	Baden-Württemberg	
118	SME	<a href="#">Wibu-Systems</a>	Embedded/IloT security (protection/crypto) for devices and industrial environments.	Cybersecurity (Embedded); IEC 62443; Embedded Software; Embedded Linux; Device Drivers/Low-Level; Connectivity/IoT Devices; Systems Engineering	Baden-Württemberg	
119	Big	<a href="#">SEW-EURODRIVE</a>	Drive technology (garmotors, inverters) with lots of embedded motor control, power electronics and industrial comms.	Drives & Motion Control; Motor Control; Power Electronics; Inverters/Converters; Closed-Loop Control; Industrial Automation; Embedded Software; Firmware; Industrial Ethernet; PROFINET; EtherCAT; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more	

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
120	Big	<a href="#">FANUC</a>	Industrial robotics and CNC/automation systems with embedded control, motion and field integration.	Robotics; Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; PROFINET; Testing/Test Automation	Baden-Württemberg + more
121	Medium	<a href="#">Bihl+Wiedemann</a>	AS-Interface automation & safety solutions—great fit for embedded devices, industrial networking and safety topics.	Industrial Automation; Factory Automation/Machinery; Industrial Networking/IIoT; Fieldbus; Industrial Ethernet; PROFINET; Embedded Software; Firmware; Functional Safety; IEC 61508; IEC 62443; Cybersecurity (Embedded); Testing/Test Automation	Baden-Württemberg + more
122	Medium	<a href="#">IDS Imaging Development Systems</a>	Machine-vision cameras and embedded vision products with firmware, drivers and imaging pipelines.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Optics/Imaging/Metrology; Embedded Software; Firmware; Embedded Linux; Device Drivers/Low-Level; Signal Processing; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg + more
123	Medium	<a href="#">Vision Components</a>	Embedded camera modules and vision systems (MIPI/SoM) with Linux-based development and low-level integration.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Embedded Linux; Embedded Software; Firmware; Device Drivers/Low-Level; Signal Processing; Connectivity/IoT Devices; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg
124	SME	<a href="#">Chromasens</a>	3D/multispectral line-scan imaging solutions—embedded vision, electronics and real-time processing close to the sensor.	Optics/Imaging/Metrology; Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Firmware; Embedded Linux; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg
125	Medium	<a href="#">wenglor sensoric group</a>	Industrial sensors, safety and machine-vision products with device firmware and industrial interfaces.	Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Industrial Networking/IIoT; IO-Link; Industrial Ethernet; Embedded Software; Firmware; Signal Processing; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg + more
126	Medium	<a href="#">TR-Electronic</a>	Encoders and industrial sensing with embedded interfaces (fieldbus/ethernet) and electronics development.	Sensors/Industrial Sensing; Measurement Technology; Industrial Networking/IIoT; Industrial Ethernet; Fieldbus; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg
127	Medium	<a href="#">J. Schmalz</a>	Vacuum automation for handling/robotics with mechatronics, controllers and connected devices.	Industrial Automation; Factory Automation/Machinery; Robotics; Mechatronic Systems; Actuators; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg + more

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
128	Medium	<a href="#">Polytec</a>	Optical measurement systems (vibrometry/surface metrology) blending precision sensing, signal processing and embedded electronics.	Optics/Imaging/Metrology; Measurement Technology; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg + more
129	Medium	<a href="#">EUCHNER</a>	Safety switches and automation components—embedded electronics, networking and functional safety workflows.	Functional Safety; IEC 61508; Industrial Automation; Factory Automation/Machinery; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Industrial Ethernet; PROFINET; Testing/Test Automation	Baden-Württemberg + more
130	Medium	<a href="#">Berghof Automation</a>	Control systems and test technology with embedded software, industrial connectivity and validation-heavy projects.	Industrial Automation; Factory Automation/Machinery; Testing/Test Automation; V&V; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; OPC UA; Systems Engineering; Requirements	Baden-Württemberg + more
131	Medium	<a href="#">Friedrich Lütze</a>	Automation connectivity and electronics (incl. Linux platform roles) spanning industrial networking and device development.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg + more
132	Medium	<a href="#">KACO new energy</a>	PV/storage inverters with power electronics, embedded Linux/firmware, control and EMC/validation topics.	Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Embedded Linux; Embedded Software; Firmware; EMC/EMI; Closed-Loop Control; Testing/Test Automation; V&V	Baden-Württemberg + more
133	Medium	<a href="#">Dunkermotoren</a>	Drives and mechatronic actuators with embedded motor control, electronics and product validation.	Drives & Motion Control; Motor Control; Closed-Loop Control; Power Electronics; Embedded Software; Firmware; Mechatronic Systems; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg + more
134	Medium	<a href="#">MRS Electronic</a>	Embedded controllers and electronics for mobile machines/vehicles—good for firmware, validation and E/E integration.	Automotive/Mobility; Commercial Vehicles; Embedded Software; Firmware; Embedded C/Cpp; CAN/LIN; Diagnostics/Calibration; Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg + more
135	SME	<a href="#">BWO Electronic</a>	CNC control systems for machine tools—embedded real-time control, motion and industrial integration.	Factory Automation/Machinery; Drives & Motion Control; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Embedded C/Cpp; Industrial Ethernet; Fieldbus; Testing/Test Automation	Baden-Württemberg
136	SME	<a href="#">NEURA Robotics</a>	Robotics company with strong overlap of embedded systems, perception, edge AI and mechatronics.	Robotics; AI; Edge AI; embedded AI; Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Sensor Fusion; Signal Processing; Embedded Software; Embedded Linux; RTOS; Systems Engineering	Baden-Württemberg + more

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137	Medium	<a href="#">SMR Automotive</a>	Automotive camera/mirror systems with SoC-level embedded SW, drivers and vision-related processing.	Automotive/Mobility; Tier-1 Supplier; Computer Vision/Embedded Vision; Signal Processing; Embedded Software; Embedded Linux; Device Drivers/Low-Level; Firmware; Testing/Test Automation; V&V; Functional Safety; ISO 26262	Baden-Württemberg + more
138	Medium	<a href="#">Hectronic</a>	Parking, payment and e-mobility solutions with connected devices and embedded/IoT-heavy product work.	Battery/BMS/E-Mobility; Connectivity/IoT Devices; Embedded Software; Embedded Linux; Firmware; Electronics Design (Schematic/PCB); Cybersecurity (Embedded); Testing/Test Automation; V&V	Baden-Württemberg + more
139	Medium	<a href="#">Fritz Kübler</a>	Encoders and counting/measurement electronics with embedded interfaces and device-level development.	Sensors/Industrial Sensing; Measurement Technology; Industrial Networking/IIoT; Industrial Ethernet; IO-Link; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg + more
140	Medium	<a href="#">Securiton Deutschland</a>	Security and fire/alarm systems with embedded devices, connectivity and verification-heavy engineering.	Defence/Security; Sensors/Industrial Sensing; Connectivity/IoT Devices; Embedded Software; Firmware; Cybersecurity (Embedded); IEC 62443; Testing/Test Automation; V&V	Baden-Württemberg + more
141	Medium	<a href="#">FAULHABER</a>	Precision drive systems (micromotors/encoders) with embedded motor control and electronics development.	Drives & Motion Control; Motor Control; Closed-Loop Control; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
142	Medium	<a href="#">Kistler Group</a>	Industrial sensing and measurement technology with embedded firmware, signal processing and HW development.	Sensors/Industrial Sensing; Measurement Technology; Test & Measurement; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Signal Processing; Testing/Test Automation; V&V	Baden-Württemberg + more
143	Medium	<a href="#">HMS Networks</a>	Industrial networking/IIoT products (gateways, connectivity) with embedded software and protocol work.	Industrial Networking/IIoT; Industrial Ethernet; Fieldbus; OPC UA; MQTT; Connectivity/IoT Devices; Embedded Software; Embedded Linux	Baden-Württemberg + more
144	Medium	<a href="#">Lorch Schweißtechnik</a>	Welding power sources/systems with power electronics, embedded control and industrial automation interfaces.	Factory Automation/Machinery; Industrial Automation; Power Electronics; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation	Baden-Württemberg + more
145	Medium	<a href="#">VARTA</a>	Battery technology with BMS-related engineering, power electronics touchpoints and product validation.	Battery/BMS/E-Mobility; Power Electronics; Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg + more
146	SME	<a href="#">MESCO Engineering</a>	Embedded engineering services (HW/SW) incl. low-level development, testing and safety-oriented projects.	Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Systems Engineering; Requirements	Baden-Württemberg + more

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147	Medium	<a href="#">csi entwicklungstechnik</a>	Engineering services for embedded/electronics with strong automotive validation, tooling and integration work.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; Embedded Linux; Testing/Test Automation; HiL/SiL; Systems Engineering; Requirements; Functional Safety; ISO 26262	Baden-Württemberg, Bayern + more
148	SME	<a href="#">ViGEM</a>	Engineering consultancy for embedded/ECU topics, testing and systems engineering across mobility/industry.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; Embedded Linux; Testing/Test Automation; V&V; HiL/SiL; Systems Engineering; Requirements; CI/CD (Embedded)	Baden-Württemberg, Bayern + more
149	Medium	<a href="#">AIM Infrarot-Module</a>	IR sensor modules for demanding applications with embedded electronics, imaging and signal processing.	Sensors/Industrial Sensing; Optics/Imaging/Metrology; Computer Vision/Embedded Vision; Signal Processing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); V&V	Baden-Württemberg + more
150	SME	<a href="#">burster</a>	Precision measurement components/instruments with electronics design and embedded-capable products.	Sensors/Industrial Sensing; Measurement Technology; Test & Measurement; Electronics Design (Schematic/PCB); Embedded Software; Firmware; EMC/EMI	Baden-Württemberg + more
151	SME	<a href="#">Volocopter</a>	eVTOL developer with avionics-adjacent embedded work, electrification and system validation topics.	Aerospace/Avionics; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg + more
152	Medium	<a href="#">Berthold Technologies</a>	Process/radiation instrumentation with embedded electronics, sensing and regulated testing needs.	Process Instrumentation; Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg + more
153	Medium	<a href="#">METZ CONNECT</a>	Industrial connectivity components/systems with strong IIoT/industrial ethernet ecosystem relevance.	Industrial Networking/IIoT; Industrial Ethernet; Connectivity/IIoT Devices; Electronics Design (Schematic/PCB)	Baden-Württemberg + more
154	Medium	<a href="#">elobau</a>	Sensors and control elements for machinery/vehicles with embedded electronics and mechatronics.	Sensors/Industrial Sensing; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Automotive/Mobility; Commercial Vehicles	Baden-Württemberg + more
155	Medium	<a href="#">J. Wagner / WAGNER Group</a>	Surface-finishing equipment with automation, controls and embedded/IIoT connectivity topics.	Factory Automation/Machinery; Industrial Automation; Robotics; Embedded Software; Firmware; Industrial Networking/IIoT; Testing/Test Automation	Baden-Württemberg + more
156	SME	<a href="#">Apex.AI</a>	Safety-oriented software stack for mobility/robotics with embedded Linux/RTOS and CI/CD-heavy work.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; Functional Safety; ISO 26262; CI/CD (Embedded); Systems Engineering; Requirements	Baden-Württemberg, Bayern + more

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157	Medium	<a href="#">Hirschmann Automotive</a>	Automotive connectivity/mechatronics with electronics development, validation and production-near engineering.	Automotive/Mobility; Tier-1 Supplier; Connectivity/IoT Devices; CAN/LIN; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg + more	
158	Medium	<a href="#">TESAT-Spacecom</a>	Space communication payloads with embedded systems, FPGA/signal processing and systems engineering.	Aerospace/Avionics; Optics/Imaging/Metrology; Signal Processing; FPGA; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; V&V; Testing/Test Automation; Cybersecurity (Embedded)	Baden-Württemberg + more	
159	Medium	<a href="#">ZwickRoell</a>	Test and measurement machines with embedded control, automation and mechatronics-heavy development.	Test & Measurement; Measurement Technology; Factory Automation/Machinery; Industrial Automation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg + more	
160	Medium	<a href="#">RAFI</a>	HMI/control components and electronics with embedded firmware and industrial device development roles.	Industrial Automation; Connectivity/IoT Devices; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg + more	
161	Medium	<a href="#">Kontron Electronics</a>	Embedded electronics development/production with low-level SW and hardware design for industry/medical/security.	Embedded Software; Embedded Linux; Device Drivers/Low-Level; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg + more	
162	Medium	<a href="#">ACONEXT</a>	Engineering services offering many entry roles in embedded, E/E, testing and systems engineering.	Systems Engineering; Requirements; Embedded Software; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262; Electronics Design (Schematic/PCB)	Baden-Württemberg + more	
163	SME	<a href="#">STÖRK-TRONIC</a>	Embedded electronics and measurement/control technology with HW-near embedded development (incl. MedTech projects).	Medical Devices/MedTech; Measurement Technology; Embedded Software; Firmware; Embedded C/Cpp; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg	
164	SME	<a href="#">NeuroCheck</a>	Machine-vision software/sensor solutions with embedded-vision, algorithms and integration-focused engineering.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Embedded C/Cpp; Embedded Linux; CI/CD (Embedded); Testing/Test Automation; Systems Engineering	Baden-Württemberg	
166	Big	<a href="#">DLR (Institute of Vehicle Concepts)</a>	Public research institute with strong thesis/internship options in vehicle electrification, sensing and embedded/control topics.	Automotive/Mobility; Battery/BMS/E-Mobility; Sensors/Industrial Sensing; Embedded Software; Systems Engineering; Testing/Test Automation; AI; Edge AI	Baden-Württemberg, Bayern, Berlin, Bremen, Hamburg, Nordrhein-Westfalen + more	

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167	Big	<a href="#">SEG Automotive</a>	E-machine and 48V/EV powertrain supplier with embedded control, power electronics and validation roles.	Automotive/Mobility; Tier-1 Supplier; Battery/BMS/E-Mobility; Power Electronics; Inverters/Converters; Motor Control; Embedded Software; Firmware; Functional Safety; ISO 26262; HIL/SIL; Testing/Test Automation; V&V	Baden-Württemberg + more
168	Big	<a href="#">Thales Deutschland</a>	Defence/avionics/rail systems with security- and safety-critical embedded SW and systems engineering.	Defence/Security; Aerospace/Avionics; Rail/Signalling; DO-178C/DO-254; EN 50128/50129; Cybersecurity (Embedded); Embedded Software; Embedded C/Cpp; RTOS; FPGA; Signal Processing; Systems Engineering; Requirements; V&V; Testing/Test Automation	Baden-Württemberg, Bayern, Berlin, Hamburg, Hessen, Nordrhein-Westfalen + more
169	Big	<a href="#">VIAVI Solutions (JSU Deutschland)</a>	Network/optical test & measurement solutions with embedded electronics/FPGA and signal-processing-heavy engineering.	Test & Measurement; Optics/Imaging/Metrology; Measurement Technology; Embedded Software; Firmware; FPGA; Signal Processing; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg + more
170	Medium	<a href="#">A123 Systems</a>	Battery technology (cells/modules) with engineering roles around packs/BMS interfaces, test and industrialization.	Battery/BMS/E-Mobility; Power Electronics; Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg + more
171	Medium	<a href="#">ADS-TEC Energy</a>	Fast-charging and battery storage systems with power electronics, embedded control and connectivity.	Battery/BMS/E-Mobility; Power Electronics; Inverters/Converters; Embedded Software; Firmware; Embedded Linux; Connectivity/IoT Devices; Industrial Networking/IIoT; Cybersecurity (Embedded); EMC/EMI; Testing/Test Automation	Baden-Württemberg + more
172	Medium	<a href="#">ADS-TEC Industrial IT</a>	Industrial edge computers/IIoT platforms—good for embedded Linux, device integration and industrial connectivity.	Industrial Networking/IIoT; Connectivity/IoT Devices; Embedded Linux; Device Drivers/Low-Level; Industrial Ethernet; OPC UA; MQTT; Cybersecurity (Embedded); IEC 62443; CI/CD (Embedded)	Baden-Württemberg + more
173	Medium	<a href="#">AMKmotion</a>	Servo drives and motion controllers for machinery with real-time control and power-electronics-heavy development.	Drives & Motion Control; Motor Control; Closed-Loop Control; Power Electronics; Inverters/Converters; Industrial Automation; Factory Automation/Machinery; Embedded Software; Firmware; RTOS; Mechatronic Systems	Baden-Württemberg + more
174	Medium	<a href="#">BARTEC</a>	Explosion-protection and hazardous-area products with embedded electronics, safety and industrial comms.	Process Instrumentation; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Functional Safety; IEC 61508; Cybersecurity (Embedded); IEC 62443; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; EMC/EMI	Baden-Württemberg + more
175	Medium	<a href="#">ELECTROSTAR</a>	Motor-driven cleaning appliances with mechatronics, electronics and firmware-adjacent product development.	Mechatronic Systems; Motor Control; Power Electronics; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg

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176	Medium	<a href="#">FEIN</a>	Power tools for metalworking with mechatronics, motor control and battery electronics.	Mechatronic Systems; Motor Control; Power Electronics; Battery/BMS/E-Mobility; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg + more
177	Medium	<a href="#">GEORG SCHLEGEL</a>	Control/HMI components for machinery—relevant for electronics development close to industrial automation.	Industrial Automation; Factory Automation/Machinery; Electronics Design (Schematic/PCB); Embedded Software; Firmware; EMC/EMI; Testing/Test Automation	Baden-Württemberg + more
178	Medium	<a href="#">Küenle Antriebssysteme</a>	Industrial drives and motors with control engineering and power-electronics interfaces.	Drives & Motion Control; Motor Control; Power Electronics; Closed-Loop Control; Mechatronic Systems; Testing/Test Automation	Baden-Württemberg + more
179	Medium	<a href="#">NDI Europe</a>	Optical tracking/metrology systems with imaging, sensors and embedded HW/SW R&D.	Optics/Imaging/Metrology; Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Signal Processing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Measurement Technology; Testing/Test Automation; V&V	Baden-Württemberg + more
180	Medium	<a href="#">PFISTERER Kontaktsysteme</a>	High-voltage connection technology for grid and electrification infrastructure with strong test/engineering work.	Power Electronics; Measurement Technology; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg + more
182	Medium	<a href="#">Richard Wolf</a>	Endoscopy/MedTech systems with embedded electronics, imaging and regulated V&V processes.	Medical Devices/MedTech; Optics/Imaging/Metrology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Cybersecurity (Embedded); V&V; Testing/Test Automation; Requirements; Systems Engineering	Baden-Württemberg + more
183	Medium	<a href="#">UMS (United Monolithic Semiconductors)</a>	RF/microwave semiconductor manufacturer—IC/mixed-signal topics and high-frequency test engineering.	Semiconductors/IC Design; ASIC/Mixed-Signal; Test & Measurement; Measurement Technology	Baden-Württemberg + more
184	SME	<a href="#">ATS-Systeme (Automatisierungstechnik Sykora)</a>	Automation specialist (PLC/HMI and industrial systems) with controls and commissioning-heavy engineering.	Industrial Automation; Factory Automation/Machinery; Testing/Test Automation; Systems Engineering	Baden-Württemberg
185	SME	<a href="#">comemso electronics</a>	Test systems for EV charging/batteries with automation, tooling and validation focus (great for theses).	Test & Measurement; Testing/Test Automation; HIL/SIL; Battery/BMS/E-Mobility; Power Electronics; Automotive/Mobility; Embedded Software; V&V; Systems Engineering	Baden-Württemberg
186	SME	<a href="#">KEINATH Electronic</a>	ESD measurement/test equipment—instrumentation and electronics-focused engineering.	Test & Measurement; Measurement Technology; Electronics Design (Schematic/PCB); EMC/EMI; Sensors/Industrial Sensing; Testing/Test Automation; V&V	Baden-Württemberg
187	SME	<a href="#">Leutron</a>	Lightning and surge protection products—relevant for EMC/high-energy protection engineering.	EMC/EMI; Power Electronics; Measurement Technology	Baden-Württemberg
188	SME	<a href="#">TEKON Prüftechnik</a>	Test adapters and test equipment for electronics manufacturing with automation + measurement focus.	Test & Measurement; Testing/Test Automation; Measurement Technology; Industrial Automation; Electronics Design (Schematic/PCB)	Baden-Württemberg

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189	SME	<a href="#">vialytics</a>	AI-based road-condition monitoring (computer vision) with edge/mobile and data engineering roles.	AI; Computer Vision/Embedded Vision; Edge AI; Other AI Usage; Systems Engineering; Connectivity/IoT Devices; Industrial Networking/IIoT	Baden-Württemberg + more	
190	SME	<a href="#">Actimage</a>	Software engineering company with projects in Embedded/IoT products (often good for internships and theses).	Embedded Software; Embedded Linux; Connectivity/IoT Devices; CI/CD (Embedded); Testing/Test Automation	Baden-Württemberg + more	
191	SME	<a href="#">ANTRIMON</a>	Develops mechatronic systems and electronics (incl. embedded/connected device development topics).	Mechatronic Systems; Sensors/Industrial Sensing; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Connectivity/IoT Devices	Baden-Württemberg + more	
192	SME	<a href="#">2E mechatronic</a>	Mechatronic components/systems incl. sensor-related products—hands-on HW/SW exposure possible.	Mechatronic Systems; Sensors/Industrial Sensing; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation	Baden-Württemberg	
193	SME	<a href="#">BRIEM Steuerungstechnik</a>	Cleanroom monitoring/automation—sensor-heavy systems with embedded/control and validation work.	Sensors/Industrial Sensing; Process Instrumentation; Measurement Technology; Industrial Networking/IIoT; Connectivity/IoT Devices; Embedded Software; Firmware; V&V; Testing/Test Automation	Baden-Württemberg	
194	SME	<a href="#">C.R.S. iiMotion</a>	Embedded vision/camera systems with FPGA/signal processing and real-time software topics.	Computer Vision/Embedded Vision; Optics/Imaging/Metrology; Signal Processing; FPGA; Embedded Software; Embedded C/Cpp; Edge AI; embedded AI	Baden-Württemberg	
195	Medium	<a href="#">CHIRON Group</a>	Machine tools & automation—controls, industrial connectivity and system engineering around complex machinery.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Industrial Networking/IIoT; Embedded Software; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg + more	
196	Big	<a href="#">MinebeaMitsumi (Technology Center Europe)</a>	Drives/electronics development site with roles incl. “Embedded Systems”, cybersecurity and applied engineering projects.	Drives & Motion Control; Motor Control; Sensors/Industrial Sensing; Embedded Software; Firmware; Embedded C/Cpp; Cybersecurity (Embedded); AI; Edge AI	Baden-Württemberg + more	
197	SME	<a href="#">NEXT Robotics</a>	Robotics/automation partner (cobots) with strong systems & integration engineering fit.	Robotics; Industrial Automation; Factory Automation/Machinery; Systems Engineering; Testing/Test Automation; Industrial Networking/IIoT	Baden-Württemberg	
198	SME	<a href="#">NMI (Reutlingen)</a>	Applied R&D institute for microsystems/sensors & MedTech—excellent for thesis/internship projects.	Sensors/Industrial Sensing; Measurement Technology; Medical Devices/MedTech; Signal Processing; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation	Baden-Württemberg	
199	Medium	<a href="#">cellcentric</a>	Fuel-cell systems for heavy-duty mobility—systems engineering plus embedded/control and test-heavy development.	Commercial Vehicles; Automotive/Mobility; Power Electronics; Embedded Software; Embedded C/Cpp; Systems Engineering; Requirements; V&V; Testing/Test Automation	Baden-Württemberg + more	

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)
200	Medium	<a href="#">groninger</a>	Machinery for pharma/cosmetics—automation, controls and industrial engineering roles around high-end equipment.	Factory Automation/Machinery; Industrial Automation; Robotics; Industrial Networking/IIoT; Embedded Software; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg, Bayern + more
201	Big	<a href="#">IMS Gear</a>	Drive/actuator systems for mobility/industry—strong mechatronics and motion-control ecosystem.	Drives & Motion Control; Mechatronic Systems; Actuators; Automotive/Mobility; Systems Engineering; Testing/Test Automation	Baden-Württemberg + more
202	Medium	<a href="#">Theben</a>	Building/smart-energy electronics with embedded firmware, electronics development and test lab topics.	Connectivity/IIoT Devices; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; Cybersecurity (Embedded)	Baden-Württemberg + more
203	Medium	<a href="#">B&amp;R (B&amp;R Industrie-Elektronik)</a>	Industrial automation (controllers, drives, motion) with real-time firmware and industrial networking stacks.	Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Robotics; Industrial Networking/IIoT; Embedded Software; Firmware; RTOS; Industrial Ethernet; PROFINET; EtherCAT; OPC UA; Testing/Test Automation; Systems Engineering	Hessen + more
204	Medium	<a href="#">WEIMA</a>	Recycling/shredding machinery with automation, drives and controls engineering around complex machines.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering	Baden-Württemberg
205	SME	<a href="#">German Bionic Systems</a>	Robotic exoskeletons combining mechatronics, sensing and edge/AI software for wearable assistance systems.	Robotics; Mechatronic Systems; Sensors/Industrial Sensing; Closed-Loop Control; Embedded Software; Connectivity/IIoT Devices; AI; Edge AI; embedded AI; Testing/Test Automation; Systems Engineering	Bayern, Berlin + more
206	Medium	<a href="#">Kardex Mlog</a>	Intralogistics automation (material-flow systems) with control/software engineering and industrial integration work.	Factory Automation/Machinery; Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; OPC UA; Embedded Software; Testing/Test Automation; Systems Engineering	Baden-Württemberg + more
207	SME	<a href="#">B&amp;W Engineering und Datensysteme</a>	Product development for mechatronic/electronic systems (incl. medical/industrial devices) with HW-near SW and verification needs.	Medical Devices/MedTech; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Requirements; Systems Engineering; V&V; Testing/Test Automation	Baden-Württemberg
208	Medium	<a href="#">FLEX-Elektrowerkzeuge</a>	Power tools with motor control, battery electronics and embedded/EMC validation in product development.	Mechatronic Systems; Motor Control; Power Electronics; Battery/BMS/E-Mobility; Embedded Software; Firmware; EMC/EMI; V&V; Testing/Test Automation	Baden-Württemberg + more
209	Medium	<a href="#">beyerdynamic</a>	Pro audio devices with electronics/firmware topics (wireless audio, DSP-adjacent development, test & validation).	Connectivity/IIoT Devices; Bluetooth/Wi-Fi; Embedded Software; Firmware; Signal Processing; Electronics Design (Schematic/PCB); V&V; Testing/Test Automation	Baden-Württemberg + more

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210	Medium	<a href="#">Harmonic Drive</a>	Precision drive systems for robotics/automation—mechatronics plus control/electronics roles around motion.	Drives & Motion Control; Robotics; Mechatronic Systems; Actuators; Motor Control; Closed-Loop Control; Embedded Software; Testing/Test Automation; Systems Engineering	Hessen + more
211	Medium	<a href="#">MOBIL Elektronik</a>	Automotive electronics/ECUs with embedded development, validation, diagnostics and safety processes.	Automotive/Mobility; Embedded Software; Firmware; Embedded C/Cpp; CAN/LIN; Diagnostics/Calibration; Functional Safety; ISO 26262; V&V; Testing/Test Automation; Systems Engineering	Baden-Württemberg
212	Medium	<a href="#">Amphenol (Tuchel) Automotive</a>	Automotive interconnect & mechatronic components—engineering roles around electrification, validation and industrialization.	Automotive/Mobility; Commercial Vehicles; Testing/Test Automation; Systems Engineering; V&V; Requirements	Baden-Württemberg + more
213	Big	<a href="#">Beckhoff Automation</a>	Automation PCs/I/O and EtherCAT ecosystem with embedded Linux, drivers and real-time/industrial networking work.	Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; EtherCAT; OPC UA; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering; IEC 62443; Cybersecurity (Embedded)	Nordrhein-Westfalen + more
214	Big	<a href="#">Phoenix Contact</a>	Industrial connectivity and automation components with embedded firmware/Linux and industrial security topics.	Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; PROFINET; OPC UA; MQTT; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; IEC 62443; Cybersecurity (Embedded); Testing/Test Automation	Nordrhein-Westfalen + more
215	Big	<a href="#">WAGO</a>	Automation and I/O systems with embedded platforms and industrial communication stacks for connected devices.	Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; OPC UA; MQTT; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; Testing/Test Automation	Nordrhein-Westfalen + more
216	Medium	<a href="#">KEB Automation</a>	Drives/inverters and automation with power electronics plus embedded control and validation.	Drives & Motion Control; Power Electronics; Inverters/Converters; Motor Control; Closed-Loop Control; Embedded Software; Firmware; EMC/EMI; V&V; Testing/Test Automation	Nordrhein-Westfalen + more
217	Big	<a href="#">Infineon Technologies</a>	Semiconductor leader with IC design, validation/test and embedded-adjacent application engineering roles.	Semiconductors/IC Design; ASIC/Mixed-Signal; Test & Measurement; Measurement Technology; Signal Processing; V&V; Testing/Test Automation	Bayern, Sachsen + more
218	Big	<a href="#">NXP Semiconductors</a>	Automotive/industrial semiconductors with mixed-signal design and embedded/validation-heavy roles.	Semiconductors/IC Design; ASIC/Mixed-Signal; Automotive/Mobility; Functional Safety; ISO 26262; V&V; Testing/Test Automation	Hamburg + more

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219	Medium	<a href="#">Basler AG</a>	Machine-vision cameras and imaging systems with embedded vision pipelines, drivers and test engineering.	Computer Vision/Embedded Vision; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Signal Processing; Testing/Test Automation; V&V	Schleswig-Holstein + more	
220	Big	<a href="#">Dräger</a>	Medical and safety technology with embedded electronics/software and regulated V&V environments.	Medical Devices/MedTech; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Cybersecurity (Embedded); V&V; Testing/Test Automation; Systems Engineering; Requirements	Schleswig-Holstein + more	
221	Big	<a href="#">SMA Solar Technology</a>	PV/storage inverters and energy systems—power electronics with control firmware and EMC/validation work.	Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Embedded Software; Firmware; Closed-Loop Control; EMC/EMI; V&V; Testing/Test Automation; Systems Engineering	Hessen + more	
222	Medium	<a href="#">Lenze</a>	Automation and drive technology with embedded motion control, industrial networking and system engineering.	Industrial Automation; Drives & Motion Control; Motor Control; Closed-Loop Control; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering	Niedersachsen + more	
223	Big	<a href="#">KUKA</a>	Industrial robotics with embedded control, field integration and (often) perception/AI-adjacent engineering.	Robotics; Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Motor Control; Closed-Loop Control; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering	Bayern + more	
224	Big	<a href="#">Jenoptik</a>	Optics/photonics and metrology with sensor systems, embedded electronics and test/verification roles.	Optics/Imaging/Metrology; Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Signal Processing; V&V; Testing/Test Automation	Thüringen + more	
225	Big	<a href="#">AIXTRON</a>	Semiconductor equipment manufacturer with complex machinery automation, sensing and validation engineering.	Factory Automation/Machinery; Industrial Automation; Sensors/Industrial Sensing; Measurement Technology; Testing/Test Automation; V&V; Systems Engineering; Requirements	Nordrhein-Westfalen + more	
226	Medium	<a href="#">Elmos Semiconductor</a>	Automotive-focused semiconductors with mixed-signal design plus validation/test engineering.	Semiconductors/IC Design; ASIC/Mixed-Signal; Automotive/Mobility; Functional Safety; ISO 26262; V&V; Testing/Test Automation	Nordrhein-Westfalen + more	
227	Big	<a href="#">Nexperia</a>	High-volume semiconductors with design, process and test engineering plus embedded-adjacent applications work.	Semiconductors/IC Design; ASIC/Mixed-Signal; Test & Measurement; Measurement Technology; V&V; Testing/Test Automation	Hamburg + more	

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228	Big	<a href="#">Semikron Danfoss</a>	Power semiconductor modules/systems—strong fit for power electronics, test and industrialization roles.	Power Electronics; Inverters/Converters; Test & Measurement; Testing/Test Automation; V&V; Measurement Technology; Systems Engineering	Schleswig-Holstein, Bayern + more
229	Big	<a href="#">BMW Group</a>	Automotive OEM with large embedded ECU/software, validation and e-mobility development teams.	Automotive/Mobility; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Systems Engineering; Requirements; Cybersecurity (Embedded); Connectivity/IoT Devices	Bayern, Berlin, Sachsen + more
230	Big	<a href="#">Volkswagen</a>	Automotive OEM with vehicle electronics, embedded platforms, testing and E/E integration roles.	Automotive/Mobility; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Systems Engineering; Requirements; Connectivity/IoT Devices; Cybersecurity (Embedded)	Niedersachsen, Sachsen, Brandenburg, Hessen, Bayern, Berlin + more
231	Big	<a href="#">MAN Truck &amp; Bus</a>	Commercial-vehicle OEM with embedded powertrain, E/E architecture and validation opportunities.	Commercial Vehicles; Automotive/Mobility; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; CAN/LIN; Diagnostics/Calibration; HIL/SIL; Testing/Test Automation; V&V; Functional Safety; ISO 26262; Systems Engineering; Requirements	Bayern, Berlin, Niedersachsen + more
232	Big	<a href="#">MTU Aero Engines</a>	Aero-engine OEM with embedded/controls and safety-critical development plus test automation.	Aerospace/Avionics; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; V&V; Testing/Test Automation; Signal Processing; DO-178C/DO-254	Bayern, Brandenburg + more
233	Medium	<a href="#">OHB</a>	Space systems integrator with avionics-adjacent embedded development and systems engineering roles.	Aerospace/Avionics; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; V&V; Testing/Test Automation; Cybersecurity (Embedded)	Bremen, Bayern + more
234	Big	<a href="#">Siemens Healthineers</a>	Medical imaging/lab systems with embedded electronics/software and regulated V&V environments.	Medical Devices/MedTech; Sensors/Industrial Sensing; Embedded Software; Firmware; Embedded Linux; Signal Processing; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering; Cybersecurity (Embedded)	Bayern, Hessen, Nordrhein-Westfalen, Berlin + more

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235	Big	<a href="#">GlobalFoundries</a>	Semiconductor manufacturing (Dresden) with automation- and test-heavy engineering roles.	Semiconductors/IC Design; Industrial Automation; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V; Systems Engineering	Sachsen + more
236	Medium	<a href="#">X-FAB</a>	Specialty semiconductor foundry with mixed-signal tech and validation/test opportunities in Germany.	Semiconductors/IC Design; ASIC/Mixed-Signal; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V	Thüringen, Sachsen + more
237	Big	<a href="#">Schneider Electric</a>	Industrial energy/automation with connected devices, power electronics and industrial networking stacks.	Industrial Automation; Industrial Networking/IloT; Power Electronics; Connectivity/IoT Devices; Embedded Software; Firmware; Industrial Ethernet; OPC UA; MQTT; Cybersecurity (Embedded); IEC 62443; Testing/Test Automation	Bayern, Nordrhein-Westfalen, Baden-Württemberg, Hessen + more
238	Big	<a href="#">Mitsubishi Electric</a>	Industrial automation and drive/control systems with embedded firmware and industrial communications.	Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Motor Control; Power Electronics; Embedded Software; Firmware; Industrial Networking/IloT; Industrial Ethernet; PROFINET; EtherCAT; Testing/Test Automation	Nordrhein-Westfalen + more
239	Big	<a href="#">KION Group</a>	Intralogistics automation (warehouse systems/AGVs) with controls, sensors and system engineering.	Industrial Automation; Factory Automation/Machinery; Robotics; Sensors/Industrial Sensing; Embedded Software; Testing/Test Automation; Systems Engineering; Industrial Networking/IloT; Industrial Ethernet; OPC UA	Hessen + more
240	Big	<a href="#">Jungheinrich</a>	Warehouse trucks/automation with embedded control, sensing and electrification-related engineering roles.	Industrial Automation; Factory Automation/Machinery; Robotics; Sensors/Industrial Sensing; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; CAN/LIN; Testing/Test Automation; V&V; Systems Engineering	Hamburg + more
241	Medium	<a href="#">Weidmüller</a>	Industrial connectivity/I/O with embedded firmware and industrial communication protocols.	Industrial Automation; Industrial Networking/IloT; Industrial Ethernet; PROFINET; EtherCAT; OPC UA; Connectivity/IoT Devices; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Cybersecurity (Embedded); IEC 62443	Nordrhein-Westfalen + more
242	Medium	<a href="#">HARTING</a>	Industrial connectors and networking components with strong industrial Ethernet/IloT ecosystems.	Industrial Networking/IloT; Industrial Ethernet; PROFINET; EtherCAT; Connectivity/IoT Devices; Electronics Design (Schematic/PCB); Sensors/Industrial Sensing	Niedersachsen + more
243	Medium	<a href="#">Turck</a>	Sensors and automation tech with embedded devices plus IO-Link/fieldbus connectivity.	Sensors/Industrial Sensing; Industrial Automation; Industrial Networking/IloT; IO-Link; Industrial Ethernet; Fieldbus; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation	Nordrhein-Westfalen + more

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244	Big	<a href="#">Giesecke+Devrient</a>	Security technology (smart cards/secure elements) with embedded/low-level and cybersecurity-heavy engineering.	Cybersecurity (Embedded); Embedded Software; Embedded C/Cpp; Firmware; Device Drivers/Low-Level; Connectivity/IoT Devices; Systems Engineering	Bayern + more
245	Medium	<a href="#">secunet Security Networks</a>	Cybersecurity company with hardware-near products (secure gateways) and V&V-heavy engineering.	Cybersecurity (Embedded); IEC 62443; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Testing/Test Automation; V&V; Requirements; Systems Engineering; Defence/Security	Nordrhein-Westfalen, Hessen, Berlin, Sachsen, Thüringen, Bayern + more
246	Big	<a href="#">ams OSRAM</a>	Opto/sensor technologies with mixed-signal, optics and device-level engineering roles.	Optics/Imaging/Metrology; Sensors/Industrial Sensing; Semiconductors/IC Design; ASIC/Mixed-Signal; Electronics Design (Schematic/PCB); Signal Processing; Test & Measurement; Measurement Technology	Bayern + more
247	Big	<a href="#">Siltronic</a>	Silicon wafer manufacturer with process, automation and test engineering roles.	Semiconductors/IC Design; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V; Industrial Automation	Bayern + more
248	Medium	<a href="#">SUSS MicroTec</a>	Semiconductor equipment maker with complex machinery automation and validation/test roles.	Factory Automation/Machinery; Industrial Automation; Measurement Technology; Test & Measurement; Testing/Test Automation; V&V; Systems Engineering	Bayern + more
249	Big	<a href="#">ASMPT</a>	Semiconductor/electronics manufacturing equipment with automation, vision and controls engineering.	Factory Automation/Machinery; Industrial Automation; Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Testing/Test Automation; V&V; Systems Engineering	Bayern + more
250	Medium	<a href="#">LPKF</a>	Laser-based PCB/prototyping equipment with automation, optics and embedded control touchpoints.	Factory Automation/Machinery; Industrial Automation; Optics/Imaging/Metrology; Embedded Software; Testing/Test Automation; Measurement Technology	Niedersachsen + more
251	Medium	<a href="#">KOSTAL</a>	Automotive/industrial electronics incl. inverters/charging with embedded firmware and validation work.	Automotive/Mobility; Tier-1 Supplier; Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Embedded Software; Firmware; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Nordrhein-Westfalen + more
252	Medium	<a href="#">FEV Group</a>	Engineering services for powertrain/e-mobility with embedded control, systems engineering and testing projects.	Automotive/Mobility; Battery/BMS/E-Mobility; Embedded Software; Testing/Test Automation; HIL/SIL; Systems Engineering; Requirements; Functional Safety; ISO 26262; V&V	Nordrhein-Westfalen, Baden-Württemberg, Bayern + more
253	Medium	<a href="#">Ottobock</a>	Prosthetics/orthotics products with mechatronics, sensing and embedded control work.	Medical Devices/MedTech; Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Niedersachsen + more

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254	Big	<a href="#">Texas Instruments</a>	Semiconductors and reference designs with roles in ICs, embedded applications and lab/test engineering.	Semiconductors/IC Design; ASIC/Mixed-Signal; Embedded Software; Signal Processing; Test & Measurement; Measurement Technology	Bayern + more	
255	Big	<a href="#">Microchip Technology</a>	Microcontroller and embedded solutions with roles in firmware, applications and lab/test engineering.	Semiconductors/IC Design; Embedded Software; Firmware; Embedded C/Cpp; Connectivity/IoT Devices; Testing/Test Automation	Bayern, Baden-Württemberg + more	
256	Big	<a href="#">TE Connectivity (incl. First Sensor)</a>	Sensors/connectors for industry and mobility with device ecosystems and validation roles.	Sensors/Industrial Sensing; Connectivity/IoT Devices; Automotive/Mobility; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Berlin, Brandenburg + more	
257	Medium	<a href="#">MVTec</a>	Industrial machine-vision software with strong CV/AI engineering and edge-vision projects.	Computer Vision/Embedded Vision; AI; Edge AI; embedded AI; Signal Processing; Systems Engineering; CI/CD (Embedded)	Bayern + more	
258	Medium	<a href="#">Rosenberger</a>	High-frequency connectivity for automotive/industry with electronics development and validation work.	Connectivity/IoT Devices; Automotive/Mobility; Industrial Networking/IIoT; Test & Measurement; Testing/Test Automation; V&V; Electronics Design (Schematic/PCB)	Bayern + more	
259	Medium	<a href="#">DR. JOHANNES HEIDENHAIN</a>	Precision encoders/CNC controls & measurement systems—strong overlap with sensor electronics, embedded FW and verification.	Sensors/Industrial Sensing; Measurement Technology; Factory Automation/Machinery; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more	
260	Big	<a href="#">KSB</a>	Pumps/valves and industrial systems with automation, drives, condition monitoring and embedded-enabled products.	Industrial Automation; Drives & Motion Control; Sensors/Industrial Sensing; Connectivity/IoT Devices; Embedded Software; Testing/Test Automation; Systems Engineering	Rheinland-Pfalz + more	
261	Big	<a href="#">HYDAC</a>	Hydraulics, sensors and control tech—embedded controllers, measurement and industrial connectivity in many products.	Industrial Automation; Sensors/Industrial Sensing; Measurement Technology; Connectivity/IoT Devices; Embedded Software; Firmware; Testing/Test Automation	Saarland + more	
262	Big	<a href="#">WIKA</a>	Measurement technology (pressure/temperature/force etc.) with sensor electronics, embedded interfaces and testing labs.	Measurement Technology; Sensors/Industrial Sensing; Process Instrumentation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more	
263	Medium	<a href="#">JUMO</a>	Industrial sensors + automation components (measurement/control) with embedded firmware and industrial comms.	Sensors/Industrial Sensing; Process Instrumentation; Industrial Automation; Industrial Networking/IIoT; Embedded Software; Firmware; Testing/Test Automation	Hessen + more	
264	Medium	<a href="#">KROHNE</a>	Process instrumentation (flow/level/pressure) with embedded devices, electronics and validation-heavy development.	Process Instrumentation; Sensors/Industrial Sensing; Measurement Technology; Industrial Networking/IIoT; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Nordrhein-Westfalen + more	

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265	Medium	<a href="#">HÜBNER Group</a>	Mobility/industry components incl. sensors/encoders and mechatronic systems—good fit for embedded + test roles.	Sensors/Industrial Sensing; Mechatronic Systems; Rail/Signalling; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Hessen + more	
266	Medium	<a href="#">HBK (Hottinger Brüel &amp; Kjær)</a>	Measurement & test systems (DAQ, sensors) with embedded electronics, signal processing and verification.	Test & Measurement; Measurement Technology; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Hessen + more	
267	Big	<a href="#">Sartorius</a>	Lab/bioprocess equipment with embedded control, sensor integration and regulated V&V environments.	Medical Devices/MedTech; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Systems Engineering	Niedersachsen, Hessen, Baden-Württemberg, Berlin + more	
268	SME	<a href="#">SONOTEC</a>	Ultrasonic sensors/NDT and leak testing—sensor systems with signal processing and embedded-capable electronics.	Sensors/Industrial Sensing; Test & Measurement; Measurement Technology; Signal Processing; Embedded Software; Electronics Design (Schematic/PCB); V&V	Sachsen-Anhalt	
269	Big	<a href="#">Keysight Technologies</a>	Test & measurement (RF/digital/optical) with embedded software, FPGA-adjacent systems and verification engineering.	Test & Measurement; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg, Bayern, Nordrhein-Westfalen + more	
270	Medium	<a href="#">Allied Vision</a>	Machine-vision cameras/embedded vision with Linux/driver stacks, imaging pipelines and production-near validation.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Optics/Imaging/Metrology; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Signal Processing; Testing/Test Automation; V&V	Thüringen, Niedersachsen, Schleswig-Holstein + more	
271	SME	<a href="#">FRAMOS</a>	Vision components/camera modules and imaging ecosystems—embedded vision integration close to sensor + Linux.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Optics/Imaging/Metrology; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Signal Processing; Connectivity/IoT Devices	Bayern + more	
272	Medium	<a href="#">ISRA VISION (Atlas Copco)</a>	Vision inspection solutions for industry—computer vision/AI plus systems integration and validation.	Computer Vision/Embedded Vision; AI; Signal Processing; Systems Engineering; Testing/Test Automation; V&V; Industrial Automation	Hessen + more	
273	Big	<a href="#">Tesla (Gigafactory Berlin-Brandenburg)</a>	EV manufacturing + product ecosystem with strong automation/robotics, industrial sensing and test engineering needs.	Automotive/Mobility; Battery/BMS/E-Mobility; Industrial Automation; Factory Automation/Machinery; Robotics; Sensors/Industrial Sensing; Testing/Test Automation; Systems Engineering	Brandenburg + more	

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274	Big	<a href="#">Webasto</a>	E-mobility systems (battery/thermal/charging) with embedded control, electronics and validation.	Automotive/Mobility; Tier-1 Supplier; Battery/BMS/E-Mobility; Power Electronics; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Bayern + more	
275	Big	<a href="#">Brose</a>	Automotive mechatronics (drives, electronics, sensors) with embedded software and validation-heavy development.	Automotive/Mobility; Tier-1 Supplier; Mechatronic Systems; Motor Control; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more	
276	Big	<a href="#">Vitesco Technologies (now part of Schaeffler)</a>	Powertrain/e-mobility electronics (inverters, ECUs) with embedded control and functional-safety processes.	Automotive/Mobility; Tier-1 Supplier; Battery/BMS/E-Mobility; Power Electronics; Inverters/Converters; Embedded Software; Firmware; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Bayern, Hessen, Sachsen + more	
277	Big	<a href="#">Krones</a>	Packaging/processing lines with automation, drives, industrial networking and controls engineering.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Industrial Networking/IIoT; Industrial Ethernet; OPC UA; Embedded Software; Testing/Test Automation; Systems Engineering	Bayern + more	
278	Big	<a href="#">GEA Group</a>	Process machinery and industrial systems—automation, instrumentation, safety and commissioning-heavy engineering.	Factory Automation/Machinery; Industrial Automation; Process Instrumentation; Industrial Networking/IIoT; Embedded Software; Testing/Test Automation; Systems Engineering	Nordrhein-Westfalen + more	
279	Medium	<a href="#">Wilo</a>	Pumps + smart systems with drives, power electronics, connected devices and control firmware touchpoints.	Drives & Motion Control; Power Electronics; Connectivity/IIoT Devices; Embedded Software; Firmware; Sensors/Industrial Sensing; Testing/Test Automation	Nordrhein-Westfalen + more	
280	Big	<a href="#">Viessmann</a>	Energy/building tech with electronics, connected devices and embedded control in smart heating/energy products.	Connectivity/IIoT Devices; Embedded Software; Firmware; Power Electronics; Cybersecurity (Embedded); Testing/Test Automation	Hessen + more	
281	Medium	<a href="#">ATLAS ELEKTRONIK</a>	Naval defence electronics (sonar/sensors) with real-time embedded SW, signal processing and systems engineering.	Defence/Security; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bremen + more	
282	Big	<a href="#">MBDA Deutschland</a>	Defence/aerospace systems with safety/security-critical embedded development, integration and V&V.	Defence/Security; Aerospace/Avionics; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bayern + more	
283	Medium	<a href="#">ESG Elektroniksystem- und Logistik-GmbH</a>	Systems engineering + integration/testing for defence/aviation—strong requirements, verification and toolchain focus.	Defence/Security; Aerospace/Avionics; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bayern + more	

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284	Medium	<a href="#">IABG</a>	Test & evaluation for aerospace/defence and mobility—validation labs, automation and systems engineering roles.	Aerospace/Avionics; Defence/Security; Testing/Test Automation; V&V; Systems Engineering; Requirements; Test & Measurement; Measurement Technology	Bayern + more	
285	Big	<a href="#">Renesas Electronics</a>	Semiconductors (automotive/industrial) with IC/application engineering and embedded-adjacent validation/testing roles.	Semiconductors/IC Design; ASIC/Mixed-Signal; Automotive/Mobility; Embedded Software; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V	Sachsen, Nordrhein-Westfalen, Bayern, Rheinland-Pfalz + more	
286	Big	<a href="#">STMicroelectronics</a>	Semiconductors for automotive/industrial with mixed-signal design plus validation/test and application engineering in DE.	Semiconductors/IC Design; ASIC/Mixed-Signal; Automotive/Mobility; Functional Safety; ISO 26262; Testing/Test Automation; V&V; Signal Processing	Bayern + more	
287	Big	<a href="#">Analog Devices</a>	Analog/mixed-signal semiconductors with strong signal-processing, lab/test and embedded applications engineering.	Semiconductors/IC Design; ASIC/Mixed-Signal; Signal Processing; Test & Measurement; Measurement Technology; Embedded Software; V&V; Testing/Test Automation	Bayern + more	
288	Big	<a href="#">TSMC (Munich Design Center)</a>	Semiconductor design enablement/engineering hub (Munich) supporting advanced-chip ecosystem in Europe.	Semiconductors/IC Design; ASIC/Mixed-Signal; Systems Engineering; Testing/Test Automation; V&V	Bayern	
289	Medium	<a href="#">ESMC (Dresden fab JV)</a>	New semiconductor manufacturing venture in Dresden with heavy focus on process automation, equipment engineering and test.	Semiconductors/IC Design; Industrial Automation; Factory Automation/Machinery; Testing/Test Automation; V&V; Systems Engineering	Sachsen	
290	Medium	<a href="#">TQ-Systems</a>	Embedded modules and electronics product development (HW/SW) for industrial and IoT-grade systems.	Embedded Software; Firmware; Embedded Linux; Device Drivers/Low-Level; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V	Bayern + more	
291	Medium	<a href="#">congatec</a>	Embedded computer-on-modules and edge platforms with Linux/driver stacks and HW-near engineering.	Embedded Linux; Embedded Software; Device Drivers/Low-Level; Connectivity/IoT Devices; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V	Bayern + more	
292	Big	<a href="#">ZOLLNER Elektronik</a>	Electronics manufacturing + development services (design-to-test) with strong HW, validation and industrialization work.	Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V; Embedded Software; Firmware; Power Electronics; Systems Engineering	Bayern + more	
293	Medium	<a href="#">Piller Group</a>	Power protection systems (UPS/frequency converters) with power-electronics and embedded control development.	Power Electronics; Inverters/Converters; Embedded Software; Firmware; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V	Niedersachsen + more	

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294	Big	<a href="#">DMG MORI</a>	Machine tools and manufacturing automation with controls, drives and industrial integration roles.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Motor Control; Closed-Loop Control; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Testing/Test Automation; Systems Engineering	Nordrhein-Westfalen, Bayern + more	
295	Big	<a href="#">KHS Group</a>	Bottling/packaging machinery with automation stacks, motion/control and industrial networking.	Factory Automation/Machinery; Industrial Automation; Industrial Networking/IIoT; Industrial Ethernet; OPC UA; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Nordrhein-Westfalen + more	
296	Medium	<a href="#">Sennheiser</a>	Audio and wireless products with embedded SW, signal processing/DSP and device connectivity.	Signal Processing; Embedded Software; Firmware; Embedded Linux; Connectivity/IIoT Devices; Bluetooth/Wi-Fi; Testing/Test Automation; V&V	Niedersachsen + more	
297	Big	<a href="#">Bundesdruckerei Group</a>	Security and identity technology with embedded/low-level and cybersecurity-heavy product engineering.	Cybersecurity (Embedded); Embedded Software; Embedded Linux; Device Drivers/Low-Level; Connectivity/IIoT Devices; Requirements; Systems Engineering; Testing/Test Automation; V&V	Berlin + more	
298	Big	<a href="#">ASML</a>	Semiconductor equipment with optics/mechatronics, automation and verification-focused engineering roles.	Factory Automation/Machinery; Industrial Automation; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Systems Engineering; Requirements; Testing/Test Automation; V&V	Berlin + more	
299	Medium	<a href="#">Jena-Optronik</a>	Space optics/sensor systems with embedded electronics, signal processing and verification-heavy development.	Aerospace/Avionics; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Systems Engineering	Thüringen + more	
300	Medium	<a href="#">PVA TePla</a>	Semiconductor and high-tech equipment with automation/measurement engineering and test/validation roles.	Factory Automation/Machinery; Industrial Automation; Measurement Technology; Test & Measurement; Testing/Test Automation; V&V; Systems Engineering	Hessen, Thüringen + more	
301	Medium	<a href="#">Micro-Epsilon</a>	Sensor and measurement technology with embedded-capable electronics, signal processing and product validation.	Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Signal Processing; Testing/Test Automation; V&V	Bayern + more	
302	Medium	<a href="#">Preh</a>	Automotive electronics (HMI/controls) with embedded SW, validation and functional-safety processes.	Automotive/Mobility; Tier-1 Supplier; Embedded Software; Firmware; Embedded C/Cpp; CAN/LIN; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Bayern + more	

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303	Medium	<a href="#">Isabellenhütte</a>	Current/precision measurement and power components with strong lab/test and HW engineering overlap.	Sensors/Industrial Sensing; Measurement Technology; Power Electronics; Battery/BMS/E-Mobility; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Hessen + more	
304	Big	<a href="#">Huf Hülsbeck &amp; Fürst</a>	Automotive mechatronics/access systems with embedded electronics, validation and safety processes.	Automotive/Mobility; Tier-1 Supplier; Mechatronic Systems; Embedded Software; Firmware; CAN/LIN; Functional Safety; ISO 26262; Testing/Test Automation; V&V	Nordrhein-Westfalen + more	
305	Medium	<a href="#">Vossloh</a>	Rail technology/infrastructure with systems engineering, testing and safety-oriented development roles.	Rail/Signalling; Systems Engineering; Requirements; Testing/Test Automation; V&V	Nordrhein-Westfalen + more	
306	Big	<a href="#">Wacker Neuson</a>	Construction/mobile machinery with mechatronics, sensing and embedded control/electrification topics.	Automotive/Mobility; Mechatronic Systems; Sensors/Industrial Sensing; Battery/BMS/E-Mobility; Embedded Software; Embedded C/Cpp; CAN/LIN; Testing/Test Automation; V&V	Bayern + more	
307	Big	<a href="#">Leica Microsystems</a>	Optical/medical imaging systems with embedded electronics/software and verification-heavy development.	Medical Devices/MedTech; Optics/Imaging/Metrology; Computer Vision/Embedded Vision; Signal Processing; Embedded Software; Embedded Linux; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Hessen + more	
308	Big	<a href="#">Autoliv</a>	Automotive safety systems with sensors/ECUs, embedded real-time development and rigorous validation.	Automotive/Mobility; Tier-1 Supplier; Sensors/Industrial Sensing; Embedded Software; Embedded C/Cpp; RTOS; Functional Safety; ISO 26262; HIL/SIL; Testing/Test Automation; V&V	Bayern + more	
309	Big	<a href="#">Aptiv</a>	Automotive E/E systems and platforms with embedded SW, connectivity, cybersecurity and V&V.	Automotive/Mobility; Tier-1 Supplier; Embedded Software; Embedded C/Cpp; Embedded Linux; CAN/LIN; Connectivity/IoT Devices; Cybersecurity (Embedded); Functional Safety; ISO 26262; Testing/Test Automation; V&V; Systems Engineering	Bayern + more	
310	Medium	<a href="#">Bender</a>	Electrical safety monitoring and measurement devices with embedded firmware and connected products.	Process Instrumentation; Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation; V&V	Hessen + more	
311	Medium	<a href="#">Helmholz</a>	Industrial communication and automation components (PROFINET/IO) with embedded firmware and networking.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; OPC UA; Connectivity/IoT Devices; Embedded Software; Firmware; Embedded Linux; Testing/Test Automation	Bayern + more	

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312	Medium	<a href="#">Hilscher</a>	Industrial communication (chips/gateways) with embedded RTOS/Linux, drivers and protocol stacks.	Industrial Networking/IIoT; Industrial Ethernet; PROFINET; EtherCAT; Fieldbus; OPC UA; Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Testing/Test Automation	Hessen + more
313	Medium	<a href="#">Softing</a>	Industrial + automotive communication/diagnostics with embedded software, gateways and OPC UA ecosystems.	Industrial Networking/IIoT; Industrial Ethernet; OPC UA; MQTT; CAN/LIN; Diagnostics/Calibration; Embedded Software; Embedded Linux; Connectivity/IoT Devices; Cybersecurity (Embedded)	Bayern + more
314	SME	<a href="#">CAPTRON</a>	Industrial sensors/switching solutions with electronics development and device/firmware-near engineering.	Sensors/Industrial Sensing; Industrial Automation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more
315	Big	<a href="#">DEKRA</a>	Testing/certification and engineering services—strong for functional safety, cybersecurity and V&V career tracks.	V&V; Testing/Test Automation; Functional Safety; ISO 26262; IEC 61508; Cybersecurity (Embedded); IEC 62443; Requirements; Systems Engineering; Test & Measurement	Baden-Württemberg + more
316	Big	<a href="#">TÜV SÜD</a>	Safety/testing/certification with roles around functional safety, cybersecurity and regulated verification.	V&V; Testing/Test Automation; Functional Safety; ISO 26262; IEC 61508; Cybersecurity (Embedded); IEC 62443; Requirements; Systems Engineering; Test & Measurement	Bayern + more
317	Big	<a href="#">TÜV Rheinland</a>	Safety and assurance services with V&V, cybersecurity and standards-driven engineering work.	V&V; Testing/Test Automation; Functional Safety; ISO 26262; IEC 61508; Cybersecurity (Embedded); IEC 62443; Requirements; Systems Engineering; Test & Measurement	Nordrhein-Westfalen + more
318	SME	<a href="#">DFKI</a>	Applied AI research (robotics/vision) with many thesis-friendly projects close to edge/embedded ecosystems.	AI; Edge AI; embedded AI; Robotics; Computer Vision/Embedded Vision; Signal Processing; Systems Engineering; Testing/Test Automation	Rheinland-Pfalz, Saarland, Bremen, Niedersachsen, Hessen, Berlin + more
319	Medium	<a href="#">Elektrobit</a>	Automotive software & ECU platforms (incl. safety/security and embedded Linux) with strong embedded-development focus.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; Embedded Linux; CI/CD (Embedded); Testing/Test Automation; V&V; Cybersecurity (Embedded); Systems Engineering; Requirements	Bayern, Berlin + more
320	Big	<a href="#">CARIAD</a>	VW software unit building vehicle platforms with embedded/Linux stacks, validation and cybersecurity topics.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; Embedded Linux; CI/CD (Embedded); Testing/Test Automation; V&V; Cybersecurity (Embedded); Systems Engineering; Requirements	Niedersachsen, Berlin, Bayern + more
321	Medium	<a href="#">e.solutions</a>	Automotive infotainment/connectivity software with embedded/Linux and integration/testing-heavy engineering.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; Embedded Linux; Connectivity/IoT Devices; CI/CD (Embedded); Testing/Test Automation; V&V	Bayern + more

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322	Big	<a href="#">Lufthansa Technik</a>	Aviation MRO + engineering with avionics/system engineering, testing and safety/security constraints.	Aerospace/Avionics; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Hamburg, Hessen + more	
323	Medium	<a href="#">Eppendorf</a>	Lab devices/instrumentation with embedded electronics/firmware and regulated verification/validation.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering	Hamburg + more	
324	SME	<a href="#">Isar Aerospace</a>	Launch-vehicle developer with embedded/real-time, controls and test engineering close to flight hardware.	Aerospace/Avionics; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; Testing/Test Automation; V&V	Bayern + more	
325	SME	<a href="#">Rocket Factory Augsburg</a>	Space launcher company with avionics-adjacent embedded development, integration and test automation.	Aerospace/Avionics; Embedded Software; Embedded C/Cpp; RTOS; Systems Engineering; Requirements; Testing/Test Automation; V&V	Bayern + more	
326	SME	<a href="#">Mynaric</a>	Laser communication terminals with optics/electronics, embedded control and verification-heavy development.	Optics/Imaging/Metrology; Embedded Software; Firmware; Signal Processing; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more	
327	SME	<a href="#">NavVis</a>	Mobile mapping/SLAM with camera/LiDAR perception—strong overlap with vision pipelines and edge/embedded systems.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Signal Processing; Embedded Software; Embedded Linux; AI; Edge AI; Systems Engineering	Bayern + more	
328	Medium	<a href="#">TTTech Auto</a>	Safety-critical automotive platform/software (incl. ADAS middleware) with ISO 26262-oriented engineering.	Automotive/Mobility; Embedded Software; Embedded C/Cpp; RTOS; Functional Safety; ISO 26262; Systems Engineering; Requirements; Testing/Test Automation; V&V	Bayern + more	
329	SME	<a href="#">KUNBUS</a>	Industrial networking/IIoT products (gateways, connectivity) with embedded Linux/firmware and protocol stacks.	Industrial Networking/IIoT; Industrial Ethernet; OPC UA; MQTT; Embedded Linux; Embedded Software; Firmware; Connectivity/IIoT Devices; Testing/Test Automation	Bayern + more	
330	Big	<a href="#">Hager Group</a>	Building energy distribution/automation products with embedded electronics, connectivity and security touchpoints.	Industrial Automation; Connectivity/IIoT Devices; Embedded Software; Firmware; Power Electronics; Cybersecurity (Embedded); Testing/Test Automation; V&V	Saarland + more	
331	Medium	<a href="#">SFC Energy</a>	Fuel-cell systems with power electronics/control, embedded firmware and test/validation work.	Power Electronics; Embedded Software; Firmware; Testing/Test Automation; V&V; Systems Engineering	Bayern + more	
332	Medium	<a href="#">Ypsomed</a>	Medical device manufacturer (injection/diabetes systems) with mechatronics, embedded electronics and regulated V&V.	Medical Devices/MedTech; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Cybersecurity (Embedded)	Mecklenburg-Vorpommern + more	

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333	Big	<a href="#">Nordex Group</a>	Wind turbines with power electronics, control/automation and embedded-enabled subsystems plus validation/test engineering.	Power Electronics; Inverters/Converters; Drives & Motion Control; Closed-Loop Control; Embedded Software; Firmware; Industrial Automation; Testing/Test Automation; V&V; Systems Engineering	Hamburg + more	
334	Big	<a href="#">ENERCON</a>	Wind energy technology with control systems, power electronics and automation-heavy engineering roles.	Power Electronics; Inverters/Converters; Drives & Motion Control; Closed-Loop Control; Embedded Software; Firmware; Industrial Automation; Testing/Test Automation; V&V; Systems Engineering	Niedersachsen + more	
335	Big	<a href="#">CLAAS</a>	Agricultural machinery with embedded controls, sensing and automation (incl. electrification/validation themes).	Automotive/Mobility; Sensors/Industrial Sensing; Mechatronic Systems; Embedded Software; Embedded C/Cpp; CAN/LIN; Testing/Test Automation; V&V; Systems Engineering	Nordrhein-Westfalen + more	
336	Big	<a href="#">Vaillant Group</a>	Heating/HVAC & energy products with embedded control, connected devices and cybersecurity/validation needs.	Connectivity/IoT Devices; Embedded Software; Firmware; Power Electronics; Cybersecurity (Embedded); Testing/Test Automation; V&V; Systems Engineering	Nordrhein-Westfalen + more	
337	Big	<a href="#">Siemens Energy</a>	Energy technology (grid, turbines, electrification) with automation/control and power-electronics-heavy engineering.	Power Electronics; Industrial Automation; Embedded Software; Firmware; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bayern, Berlin, Nordrhein-Westfalen + more	
338	Big	<a href="#">Flender</a>	Drive systems (gear units/couplings) with condition monitoring, automation interfaces and test engineering.	Drives & Motion Control; Industrial Automation; Sensors/Industrial Sensing; Embedded Software; Testing/Test Automation; Systems Engineering	Nordrhein-Westfalen + more	
339	Big	<a href="#">MAN Energy Solutions</a>	Large engines/turbomachinery & energy systems with embedded control, safety constraints and validation/test labs.	Drives & Motion Control; Power Electronics; Embedded Software; Firmware; Systems Engineering; Requirements; Testing/Test Automation; V&V	Bayern, Hamburg + more	
340	Medium	<a href="#">PULS</a>	Industrial power supplies/DC-UPS—power electronics design plus EMC and product validation topics.	Power Electronics; Inverters/Converters; EMC/EMI; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern + more	
341	Medium	<a href="#">VITRONIC</a>	Machine-vision systems (industry/traffic) with CV/AI, edge integration and verification-heavy delivery.	Computer Vision/Embedded Vision; AI; Edge AI; Signal Processing; Embedded Software; Systems Engineering; Testing/Test Automation; V&V	Hessen + more	
342	SME	<a href="#">Wandelbots</a>	Robotics automation platform (industrial deployment) with strong systems/integration and testing focus.	Robotics; Industrial Automation; AI; Edge AI; Systems Engineering; CI/CD (Embedded); Testing/Test Automation	Sachsen + more	
343	Big	<a href="#">Northvolt</a>	Battery manufacturing (Heide) — automation/process equipment and test engineering (note: insolvency proceedings in Sweden).	Battery/BMS/E-Mobility; Industrial Automation; Factory Automation/Machinery; Testing/Test Automation; V&V; Systems Engineering	Schleswig-Holstein + more	

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344	Big	<a href="#">CATL (Germany/Thuringia)</a>	Battery cell production with automation/equipment engineering, test and quality/industrialization roles.	Battery/BMS/E-Mobility; Industrial Automation; Factory Automation/Machinery; Testing/Test Automation; V&V; Systems Engineering	Thüringen + more	
345	Medium	<a href="#">BMZ Group</a>	Battery systems/packs with BMS interfaces, power-electronics touchpoints and validation/industrialization.	Battery/BMS/E-Mobility; Power Electronics; Embedded Software; Testing/Test Automation; V&V; Systems Engineering	Bayern + more	
346	Medium	<a href="#">HOPPECKE Batterien</a>	Industrial batteries/energy storage—testing, safety and system engineering close to electrification products.	Battery/BMS/E-Mobility; Power Electronics; Testing/Test Automation; V&V; Systems Engineering	Nordrhein-Westfalen + more	
347	Medium	<a href="#">Pfeiffer Vacuum</a>	Vacuum equipment with sensor/control subsystems, embedded-enabled products and strong validation/test needs.	Factory Automation/Machinery; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Hessen + more	
348	Big	<a href="#">VACUUMSCHMELZE (VAC)</a>	Magnetic materials/components for sensors and power electronics—lab/test and production engineering heavy.	Power Electronics; Sensors/Industrial Sensing; Measurement Technology; Test & Measurement; Testing/Test Automation; V&V	Hessen + more	
349	Big	<a href="#">Heraeus</a>	Technology group (materials/electronics) with roles intersecting sensors, testing/qualification and automation.	Sensors/Industrial Sensing; Measurement Technology; Electronics Design (Schematic/PCB); Test & Measurement; Testing/Test Automation; V&V	Hessen + more	
350	Medium	<a href="#">KraussMaffei</a>	Plastics/rubber machinery with automation stacks, drive/control engineering and embedded-enabled subsystems.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Bayern + more	
351	Big	<a href="#">Koenig &amp; Bauer</a>	Printing/packaging machinery—automation, drives and controls engineering around complex equipment.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Embedded Software; Testing/Test Automation; Systems Engineering	Bayern + more	
352	Medium	<a href="#">Stäubli Robotics (Germany)</a>	Industrial robotics/automation with integration, commissioning and safety-oriented engineering.	Robotics; Industrial Automation; Factory Automation/Machinery; Drives & Motion Control; Embedded Software; Testing/Test Automation; Systems Engineering; Functional Safety	Bayern + more	
353	SME	<a href="#">Lauterbach</a>	Embedded debug/tooling (TRACE32) with low-level SW, RTOS/Linux topics and HW-near integration.	Embedded Software; Embedded C/Cpp; Device Drivers/Low-Level; RTOS; Embedded Linux; Testing/Test Automation; CI/CD (Embedded)	Bayern + more	
354	SME	<a href="#">SEGGER</a>	Embedded tools (debug probes/RTOS/middleware) with firmware + low-level development and strong testing culture.	Embedded Software; Embedded C/Cpp; Firmware; Device Drivers/Low-Level; RTOS; Testing/Test Automation; CI/CD (Embedded)	Nordrhein-Westfalen + more	
355	Medium	<a href="#">FEIG ELECTRONIC</a>	RFID/NFC and embedded reader systems—firmware, industrial IoT integration and device validation.	Connectivity/IoT Devices; Embedded Software; Firmware; Embedded Linux; Sensors/Industrial Sensing; Testing/Test Automation; V&V	Hessen + more	

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356	Big	<a href="#">KNDS Deutschland</a>	Defence land-systems with security/safety constraints, integration/testing and embedded electronics/software.	Defence/Security; Embedded Software; Systems Engineering; Requirements; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Bayern + more	
357	Big	<a href="#">TDK Electronics (EPCOS)</a>	Electronic components (incl. sensor/power components) with test/qualification and electronics development.	Sensors/Industrial Sensing; Power Electronics; Electronics Design (Schematic/PCB); Test & Measurement; Measurement Technology; Testing/Test Automation; V&V	Bayern + more	
358	Big	<a href="#">Vishay</a>	Power/discrete semiconductors & components—strong fit for power electronics and validation/test engineering.	Semiconductors/IC Design; Power Electronics; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V	Bayern, Rheinland-Pfalz + more	
359	Big	<a href="#">TÜV NORD GROUP</a>	Testing/certification with functional-safety, cybersecurity and standards-driven verification roles.	V&V; Testing/Test Automation; Functional Safety; ISO 26262; IEC 61508; Cybersecurity (Embedded); IEC 62443; Requirements; Systems Engineering; Test & Measurement	Hamburg, Niedersachsen + more	
360	Medium	<a href="#">ASAP Group</a>	Automotive engineering services: embedded/E/E, validation, systems engineering and toolchain-heavy projects.	Automotive/Mobility; Embedded Software; Testing/Test Automation; V&V; HiL/SiL; Systems Engineering; Requirements; Functional Safety; ISO 26262	Bayern, Nordrhein-Westfalen, Hessen + more	
361	Medium	<a href="#">XENON Automatisierungstechnik</a>	Special-purpose machines/automation lines with controls, robotics integration and commissioning/testing.	Factory Automation/Machinery; Industrial Automation; Robotics; Testing/Test Automation; Systems Engineering; Industrial Networking/IIoT	Sachsen + more	
362	SME	<a href="#">Hitex</a>	Embedded engineering services (HW/SW) with strong RTOS/Linux, low-level development and safety-oriented projects.	Embedded Software; Firmware; Embedded Linux; RTOS; Embedded C/Cpp; Device Drivers/Low-Level; Functional Safety; ISO 26262; IEC 61508; Requirements; Systems Engineering; V&V; Testing/Test Automation; CI/CD (Embedded)	Baden-Württemberg	
363	SME	<a href="#">ISYSTEM</a>	Debug & trace tooling for embedded targets—low-level SW, RTOS/Linux and tooling-heavy engineering.	Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Testing/Test Automation; CI/CD (Embedded)	Bayern	
364	SME	<a href="#">PLS Programmierbare Logik &amp; Systeme</a>	FPGA/JTAG debug tools and embedded development support—HW-near tooling and validation focus.	FPGA; Embedded Software; Embedded C/Cpp; Testing/Test Automation; V&V; Electronics Design (Schematic/PCB)	Bayern	
365	Medium	<a href="#">SYSGO</a>	Safety/security-critical embedded platforms (RTOS/hypervisor) for avionics/rail/industry with strong certification context.	Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; Functional Safety; DO-178C/DO-254; EN 50128/50129; Cybersecurity (Embedded); Requirements; Systems Engineering; V&V; Testing/Test Automation; CI/CD (Embedded)	Rheinland-Pfalz + more	
366	SME	<a href="#">PHYSEC</a>	Embedded cybersecurity (device integrity/monitoring) for connected products and industrial/IoT deployments.	Cybersecurity (Embedded); Embedded Software; Embedded C/Cpp; Embedded Linux; Connectivity/IoT Devices; Systems Engineering; Testing/Test Automation	Berlin	

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367	SME	<a href="#">Inelta Sensorsysteme</a>	Sensors and measurement solutions with electronics development, calibration and validation work close to the device.	Sensors/Industrial Sensing; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Bayern
368	SME	<a href="#">INOVA Semiconductors</a>	Automotive/industrial ICs (high-speed links) with mixed-signal engineering plus verification/qualification topics.	Semiconductors/IC Design; ASIC/Mixed-Signal; Automotive/Mobility; Signal Processing; Functional Safety; ISO 26262; V&V; Testing/Test Automation	Bayern
369	SME	<a href="#">esd electronics</a>	Industrial communication modules/gateways (CAN/fieldbus/industrial ethernet) with firmware and protocol-stack work.	Industrial Networking/IIoT; Industrial Ethernet; Fieldbus; CAN/LIN; Embedded Software; Firmware; Embedded Linux; Connectivity/IoT Devices; Testing/Test Automation	Nordrhein-Westfalen
370	SME	<a href="#">Robominds</a>	Robotics software stack with perception/control overlap and deployment-focused engineering (incl. edge/AI integration).	Robotics; AI; Edge AI; Computer Vision/Embedded Vision; Embedded Software; Embedded Linux; Systems Engineering; Testing/Test Automation	Bayern
371	Medium	<a href="#">Janz Tec</a>	Industrial embedded computers/edge systems—Linux platforms, integration, drivers and industrial connectivity.	Embedded Linux; Embedded Software; Device Drivers/Low-Level; Connectivity/IoT Devices; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V	Nordrhein-Westfalen
372	Medium	<a href="#">b-plus</a>	Automotive electronics & test systems (incl. camera/ADAS toolchains) with validation, integration and HIL-heavy work.	Automotive/Mobility; Computer Vision/Embedded Vision; Sensors/Industrial Sensing; HIL/SIL; Testing/Test Automation; V&V; Systems Engineering; Requirements; Embedded Software	Bayern
373	SME	<a href="#">Delphin Technology</a>	Measurement/data-acquisition systems with embedded electronics, connectivity and test/validation labs.	Test & Measurement; Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Testing/Test Automation; V&V	Nordrhein-Westfalen
374	Medium	<a href="#">SVS-Vistek</a>	Machine-vision cameras and imaging systems—drivers/firmware, imaging pipelines and production-near validation.	Computer Vision/Embedded Vision; Sensors/Industrial Sensing; Optics/Imaging/Metrology; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Signal Processing; Testing/Test Automation; V&V	Bayern
375	Medium	<a href="#">FRABA (POSITAL/UBITO)</a>	Encoders/inclination and sensing products with embedded firmware, interfaces and device-level electronics development.	Sensors/Industrial Sensing; Measurement Technology; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Nordrhein-Westfalen + more
376	SME	<a href="#">Langer EMV-Technik</a>	EMC/EMI test tools and near-field probing—measurement hardware and validation-centric engineering.	EMC/EMI; Test & Measurement; Measurement Technology; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Sachsen

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377	Medium	<a href="#">GÖPEL electronic</a>	Electronic test/inspection solutions (e.g., boundary scan) with automation, measurement and verification focus.	Test & Measurement; Testing/Test Automation; Measurement Technology; Electronics Design (Schematic/PCB); Industrial Automation; V&V	Thüringen
378	SME	<a href="#">PEAK-System Technik</a>	CAN/LIN interfaces, gateways and related tooling—strong overlap with embedded drivers, comms stacks and test setups.	Industrial Networking/IIoT; CAN/LIN; Connectivity/IoT Devices; Embedded Software; Device Drivers/Low-Level; Testing/Test Automation; Test & Measurement	Nordrhein-Westfalen
379	Medium	<a href="#">genua</a>	IT/OT security products (secure gateways/firewalls) used in industrial and critical-infrastructure environments.	Cybersecurity (Embedded); IEC 62443; Embedded Linux; Connectivity/IoT Devices; Systems Engineering; V&V; Testing/Test Automation	Bayern + more
380	SME	<a href="#">iC-Haus</a>	Application-specific ICs (sensors/industrial/automotive) with mixed-signal development and verification needs.	Semiconductors/IC Design; ASIC/Mixed-Signal; Sensors/Industrial Sensing; Automotive/Mobility; V&V; Testing/Test Automation; Measurement Technology	Rheinland-Pfalz
381	SME	<a href="#">KETEK</a>	Radiation/X-ray detector and sensor modules—electronics + measurement/signal processing close to the sensor.	Sensors/Industrial Sensing; Measurement Technology; Optics/Imaging/Metrology; Electronics Design (Schematic/PCB); Signal Processing; V&V; Testing/Test Automation	Bayern
382	SME	<a href="#">XIMEA</a>	Industrial cameras (USB3/GigE etc.)—embedded vision pipelines, drivers and production-near validation.	Computer Vision/Embedded Vision; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Signal Processing; Testing/Test Automation; V&V	Bayern
383	SME	<a href="#">Kappa optronics</a>	Imaging/camera systems (notably for automotive) with vision/processing and verification-heavy delivery.	Computer Vision/Embedded Vision; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Signal Processing; Automotive/Mobility; Embedded Software; Testing/Test Automation; V&V	Bayern
384	Medium	<a href="#">Sensor-Technik Wiedemann (STW)</a>	ECUs and sensors for mobile machines—embedded control, vehicle networks and validation topics.	Automotive/Mobility; Commercial Vehicles; Sensors/Industrial Sensing; Embedded Software; Embedded C/Cpp; CAN/LIN; Testing/Test Automation; V&V	Bayern
385	Medium	<a href="#">AEMtec</a>	Electronics development + manufacturing services (EMS/ODM) including embedded device engineering and test.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V; EMC/EMI; Connectivity/IoT Devices	Berlin + more
386	Medium	<a href="#">3S-Smart Software Solutions (CODESYS Group)</a>	Industrial automation software (CODESYS runtime/tooling) with strong embedded/PLC ecosystem relevance.	Industrial Automation; Embedded Software; Embedded C/Cpp; Industrial Networking/IIoT; CI/CD (Embedded); Testing/Test Automation	Bayern
387	SME	<a href="#">dresden elektronik</a>	Wireless/IoT modules and gateways (industrial-grade) with firmware and connectivity focus.	Connectivity/IoT Devices; Industrial Networking/IIoT; Embedded Software; Firmware; Embedded Linux; Cybersecurity (Embedded); Testing/Test Automation	Sachsen

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388	Medium	<a href="#">Janitza electronics</a>	Power/energy measurement and monitoring systems—embedded-enabled devices plus comms and validation.	Measurement Technology; Power Electronics; Connectivity/IoT Devices; Industrial Networking/IIoT; Embedded Software; Firmware; Testing/Test Automation; V&V	Hessen
389	Medium	<a href="#">Baumüller Nürnberg GmbH</a>	Drive and automation specialist (servo drives, motion control) with strong overlap of power electronics and embedded control/firmware.	Drives & Motion Control; Motor Control; Power Electronics; Inverters/Converters; Closed-Loop Control; Industrial Automation; Factory Automation/Machinery; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V; Systems Engineering	Bayern
390	SME	<a href="#">Sieb &amp; Meyer AG</a>	High-speed drive and inverter solutions with embedded control firmware, power-electronics design and test/validation.	Drives & Motion Control; Motor Control; Power Electronics; Inverters/Converters; Closed-Loop Control; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V; Systems Engineering	Niedersachsen
391	SME	<a href="#">Pengutronix</a>	Embedded-Linux specialist (BSPs, drivers, Yocto) for industrial/IoT devices and edge systems.	Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Connectivity/IoT Devices; Industrial Networking/IIoT; Industrial Ethernet; CI/CD (Embedded); Testing/Test Automation	Niedersachsen
392	Medium	<a href="#">PHYTEC</a>	Embedded modules/edge platforms (SoMs, carrier boards) with HW/SW co-design, Linux, drivers and industrial integration.	Embedded Linux; Embedded Software; Device Drivers/Low-Level; Firmware; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation; V&V	Rheinland-Pfalz
393	Medium	<a href="#">TraceTronic</a>	Testing/validation engineering (tooling, automation, CI) for embedded/ECU software—strong fit for V&V and test automation roles.	Testing/Test Automation; V&V; HIL/SIL; CI/CD (Embedded); Automotive/Mobility; Systems Engineering; Requirements; Embedded Software	Sachsen
394	Medium	<a href="#">EMH metering</a>	Smart energy-metering devices and systems with embedded firmware, measurement electronics and connectivity/security constraints.	Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation; V&V; Cybersecurity (Embedded)	Mecklenburg-Vorpommern
395	SME	<a href="#">SSV Software Systems</a>	Embedded Linux-based hardware/software for industrial and process automation, focused on communication-heavy edge/IIoT use cases.	Industrial Networking/IIoT; Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Connectivity/IoT Devices; Industrial Ethernet; OPC UA; MQTT; Cybersecurity (Embedded); IEC 62443; Testing/Test Automation	Niedersachsen
396	SME	<a href="#">AbsInt</a>	Safety-critical software analysis tooling (static analysis, timing/stack) used in automotive/avionics/rail V&V workflows.	Functional Safety; ISO 26262; IEC 61508; V&V; Requirements; Systems Engineering; Embedded Software; Embedded C/Cpp; CI/CD (Embedded)	Saarland

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397	SME	<a href="#">GLIWA</a>	Timing analysis and observability tooling for embedded real-time systems (often used in safety-critical domains).	V&V; Embedded Software; Embedded C/Cpp; RTOS; Functional Safety; ISO 26262; EN 50128/50129; Systems Engineering; Requirements	Bayern	
398	SME	<a href="#">DENX Software Engineering</a>	Embedded-Linux engineering (notably U-Boot ecosystem) and low-level integration for industrial/automotive devices.	Embedded Linux; Device Drivers/Low-Level; Embedded Software; Firmware; Embedded C/Cpp; Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation	Bayern	
399	SME	<a href="#">Trenz Electronic</a>	FPGA/SoM and embedded computing platforms with Linux + HW-near integration (FPGA, high-speed interfaces).	FPGA; Embedded Linux; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Testing/Test Automation; V&V	Schleswig-Holstein	
400	Medium	<a href="#">HEITEC</a>	Industrial automation and embedded solutions provider (controls, system integration, industrial software) with test/commissioning-heavy engineering.	Industrial Automation; Factory Automation/Machinery; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Bayern + more	
401	Medium	<a href="#">Deutronic Elektronik</a>	Power-electronics products (e.g., converters/charging/power supplies) with HW-near development, test and validation work.	Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Bayern	
402	SME	<a href="#">INSYS icom</a>	Industrial routers/gateways and IIoT connectivity—embedded platforms, protocol stacks and device integration.	Industrial Networking/IIoT; Industrial Ethernet; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; Testing/Test Automation; Cybersecurity (Embedded)	Bayern	
403	SME	<a href="#">mb connect line</a>	Secure industrial communication & remote-maintenance/edge solutions with embedded firmware/Linux and device security themes.	Industrial Networking/IIoT; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; Cybersecurity (Embedded); Testing/Test Automation	Bayern	
404	SME	<a href="#">Bicker Elektronik</a>	Industrial power/DC-UPS and embedded-computing components—electronics development and product validation close to devices.	Power Electronics; Inverters/Converters; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Bayern	
405	SME	<a href="#">proemion</a>	Telematics/edge connectivity for mobile machines—connected devices + embedded/IoT integration and systems engineering.	Industrial Networking/IIoT; Connectivity/IoT Devices; Embedded Software; Embedded Linux; Testing/Test Automation; Systems Engineering; Cybersecurity (Embedded)	Hessen	
406	SME	<a href="#">Wiesemann &amp; Theis</a>	Industrial networking devices (e.g., gateways/Web-Io) with embedded firmware, Linux and protocol-heavy development.	Industrial Networking/IIoT; Industrial Ethernet; Connectivity/IoT Devices; Embedded Software; Firmware; Embedded Linux; Testing/Test Automation	Nordrhein-Westfalen	
407	Medium	<a href="#">HBC-radiomatic</a>	Radio remote controls for cranes/machinery—wireless + embedded electronics with safety/security constraints and testing.	Industrial Automation; Factory Automation/Machinery; Connectivity/IoT Devices; Embedded Software; Firmware; Functional Safety; Testing/Test Automation	Baden-Württemberg + more	

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408	SME	<a href="#">ZES ZIMMER Electronic Systems</a>	Precision power measurement and test solutions for power electronics/e-mobility—instrumentation, verification and automation.	Test & Measurement; Measurement Technology; Power Electronics; Battery/BMS/E-Mobility; Testing/Test Automation; V&V	Hessen	
409	Medium	<a href="#">IPETRONIK</a>	Mobile measurement/data-acquisition and test systems—strong fit for validation, instrumentation and automation workflows.	Test & Measurement; Measurement Technology; Sensors/Industrial Sensing; Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg	
410	SME	<a href="#">Schuhmann Messtechnik</a>	Industrial measurement/monitoring electronics and custom measurement/test setups—electronics + embedded DAQ/firmware potential.	Measurement Technology; Test & Measurement; Sensors/Industrial Sensing; Process Instrumentation; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg	
411	SME	<a href="#">DataPhysics Instruments</a>	Laboratory/measurement instruments with embedded control/DAQ and verification-oriented engineering (incl. automation around test systems).	Test & Measurement; Measurement Technology; Sensors/Industrial Sensing; Signal Processing; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg + more	
412	SME	<a href="#">Valentum Engineering</a>	Engineering services with embedded software development and validation/testing roles for industrial and mobility projects.	Embedded Software; Embedded C/Cpp; Systems Engineering; Requirements; Testing/Test Automation; V&V	Bayern, Baden-Württemberg + more	
413	SME	<a href="#">Ernst REINER</a>	Industrial marking/labeling systems (devices + software) with mechatronics/electronics, firmware and product verification.	Factory Automation/Machinery; Mechatronic Systems; Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg	
414	Medium	<a href="#">Hengstler</a>	Industrial components (encoders/counters/relays) with sensor/measurement electronics and device-level development.	Sensors/Industrial Sensing; Measurement Technology; Industrial Automation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg	
415	Medium	<a href="#">SAUTER-Cumulus</a>	Building automation and controls with connected devices and embedded/IoT-centric product engineering.	Industrial Automation; Connectivity/IoT Devices; Embedded Software; Firmware; Cybersecurity (Embedded); Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg	
416	Medium	<a href="#">JULABO</a>	Temperature-control devices for labs/industry—mechatronics with embedded control, sensing and electronics development.	Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg	
417	Medium	<a href="#">LAUDA DR. R. WOBSE</a>	Thermal management/temperature-control systems—embedded control + electronics plus validation/testing needs.	Mechatronic Systems; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg	

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418	SME	<a href="#">GESSMANN</a>	Operator controls/HMI (e.g., joysticks/control panels) for machinery—electronics + embedded firmware close to automation.	Industrial Automation; Factory Automation/Machinery; Mechatronic Systems; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
419	SME	<a href="#">SOMAKO Steuerungstechnik</a>	Industrial automation/controls engineering (PLC/HMI + system integration) for special-purpose machinery.	Industrial Automation; Factory Automation/Machinery; Systems Engineering; Testing/Test Automation; Industrial Networking/IIoT	Baden-Württemberg
420	Medium	<a href="#">Erbe Elektromedizin</a>	MedTech systems (e.g., electrosurgery) with embedded electronics/software and regulated V&V processes.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg
421	Medium	<a href="#">ATMOS MedizinTechnik</a>	Medical devices with embedded control, electronics development and verification/validation work.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg
422	Medium	<a href="#">BOWA-electronic</a>	Surgical/energy-based MedTech devices with embedded electronics/software and validation-heavy development.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg
424	SME	<a href="#">SÜTRON electronic</a>	HMI panels and embedded/edge systems for industrial (and often building) automation.	Embedded Linux; Embedded Software; Firmware; Connectivity/IIoT Devices; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; V&V	Baden-Württemberg
425	Medium	<a href="#">WERMA Signaltechnik</a>	Signal towers and smart signaling/IIoT solutions for factories; device electronics + embedded connectivity.	Industrial Automation; Connectivity/IIoT Devices; Industrial Networking/IIoT; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg
426	Medium	<a href="#">REINER SCT</a>	Hardware-based IT security (smartcard readers/tokens) with firmware and device-security focus.	Cybersecurity (Embedded); Embedded Software; Firmware; Connectivity/IIoT Devices; Embedded Linux; Device Drivers/Low-Level; Testing/Test Automation; V&V	Baden-Württemberg
428	SME	<a href="#">Hyperstone</a>	Flash-memory controller ICs and firmware—embedded/low-level SW close to silicon.	Semiconductors/IC Design; ASIC/Mixed-Signal; Embedded Software; Firmware; Embedded C/Cpp; V&V; Testing/Test Automation	Baden-Württemberg
429	SME	<a href="#">digiraster</a>	Optical measurement/encoder solutions—sensor tech with electronics, signal processing and embedded interfaces.	Sensors/Industrial Sensing; Measurement Technology; Optics/Imaging/Metrology; Signal Processing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg

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430	SME	<a href="#">RoodMicrotec</a>	Semiconductor/ASIC test engineering and reliability services—automation + measurement heavy.	Semiconductors/IC Design; Test & Measurement; Measurement Technology; Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg + more
431	Medium	<a href="#">Northrop Grumman LITEF</a>	Inertial sensors/navigation systems with real-time embedded processing and safety/security constraints.	Sensors/Industrial Sensing; Aerospace/Avionics; Defence/Security; Embedded Software; Embedded C/Cpp; RTOS; Signal Processing; Systems Engineering; Requirements; V&V; Testing/Test Automation; Cybersecurity (Embedded)	Baden-Württemberg
432	SME	<a href="#">asvin</a>	Automotive cybersecurity/compliance tooling and services (ISO/SAE 21434 etc.) close to embedded/ECU supply chains.	Cybersecurity (Embedded); Automotive/Mobility; Systems Engineering; Requirements; CI/CD (Embedded)	Baden-Württemberg + more
433	SME	<a href="#">Nexonar</a>	3D sensor systems for industrial applications—embedded sensing + real-time data processing.	Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Signal Processing; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation	Baden-Württemberg
435	SME	<a href="#">Nanoscribe</a>	High-precision micro-3D-printing systems—mechatronics + control/automation and verification-heavy engineering.	Factory Automation/Machinery; Industrial Automation; Mechatronic Systems; Embedded Software; Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg
436	SME	<a href="#">PROVERTHA</a>	Industrial connectors/cable solutions used in harsh environments—relevant for industrial comms and device integration.	Industrial Networking/IIoT; Industrial Ethernet; Connectivity/IoT Devices; Electronics Design (Schematic/PCB); Testing/Test Automation	Baden-Württemberg
437	Medium	<a href="#">BBS Automation</a>	Automation and test systems (special-purpose machinery) with controls, industrial networking and commissioning.	Factory Automation/Machinery; Industrial Automation; Testing/Test Automation; Systems Engineering; Industrial Networking/IIoT; Industrial Ethernet; V&V	Baden-Württemberg + more
439	SME	<a href="#">acontis technologies</a>	Industrial networking software (e.g., EtherCAT stacks) with embedded/Linux development and protocol engineering.	Industrial Networking/IIoT; Industrial Ethernet; EtherCAT; Embedded Linux; Embedded Software; Firmware; Connectivity/IoT Devices; Testing/Test Automation; Cybersecurity (Embedded)	Baden-Württemberg
440	SME	<a href="#">IHSE</a>	KVM extenders/switching for industry & critical environments—hardware-near products with embedded networking and security constraints.	Industrial Networking/IIoT; Industrial Ethernet; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Firmware; Cybersecurity (Embedded); Testing/Test Automation; V&V	Baden-Württemberg
441	Medium	<a href="#">E. Dold &amp; Söhne</a>	Safety switching/monitoring for automation with standards-driven product development close to functional safety.	Functional Safety; IEC 61508; Industrial Automation; Factory Automation/Machinery; V&V; Testing/Test Automation; Systems Engineering	Baden-Württemberg

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442	SME	<a href="#">InnoLinTec</a>	Embedded engineering (Linux + RTOS) incl. kernel/driver work, industrial protocols and device integration.	Embedded Software; Firmware; Embedded Linux; RTOS; Device Drivers/Low-Level; Embedded C/Cpp; Industrial Networking/IloT; Industrial Ethernet; Fieldbus; OPC UA; Connectivity/IoT Devices; Cybersecurity (Embedded); Testing/Test Automation; Systems Engineering	Baden-Württemberg
443	SME	<a href="#">INSION</a>	Miniaturized optical sensing (microspectrometer tech) with microelectronics/embedded-systems context for measurement applications.	Sensors/Industrial Sensing; Optics/Imaging/Metrology; Measurement Technology; Signal Processing; Embedded Software; Firmware; Semiconductors/IC Design	Baden-Württemberg
444	SME	<a href="#">Embedded Office</a>	Embedded systems engineering (embedded Linux/firmware) for industrial and IoT-grade devices.	Embedded Linux; Embedded Software; Firmware; Device Drivers/Low-Level; Connectivity/IoT Devices; Industrial Networking/IloT; Testing/Test Automation	Baden-Württemberg
445	SME	<a href="#">Linutronix</a>	Embedded/real-time Linux engineering & support (kernel/driver/BSP integration and system bring-up).	Embedded Linux; Embedded Software; Firmware; Device Drivers/Low-Level; Testing/Test Automation; Systems Engineering	Baden-Württemberg
446	SME	<a href="#">Valyue Consulting</a>	Embedded-systems engineering services (firmware/low-level development) with a Stuttgart base.	Embedded Software; Firmware; Embedded C/Cpp; RTOS; Testing/Test Automation; Systems Engineering	Baden-Württemberg
442	SME	<a href="#">Konzept Informationssysteme (Konzept-IS)</a>	Engineering services for embedded systems (SW/HW) with firmware development and system integration.	Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Systems Engineering; Testing/Test Automation	Baden-Württemberg
443	SME	<a href="#">soluware GmbH</a>	Industrial-IoT and embedded-related engineering (software development + testing; embedded component redesign support).	Embedded Software; Firmware; Embedded Linux; Connectivity/IoT Devices; Industrial Networking/IloT; Testing/Test Automation; V&V	Baden-Württemberg
444	SME	<a href="#">kessler systems GmbH</a>	Electronics & embedded development (embedded hardware/software) for customer-specific solutions.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; Embedded C/Cpp; Embedded Linux; Device Drivers/Low-Level; Testing/Test Automation; V&V	Baden-Württemberg
445	SME	<a href="#">EKS Elektronikservice GmbH</a>	Electronics development/manufacturing services with embedded-capable device engineering and test/validation support.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V; Industrial Automation	Baden-Württemberg
446	SME	<a href="#">Aspion GmbH</a>	Sensor-based condition-monitoring solutions (connected devices) with embedded firmware/software in product development.	Sensors/Industrial Sensing; Connectivity/IoT Devices; Embedded Software; Firmware; Embedded C/Cpp; Embedded Linux; Testing/Test Automation	Baden-Württemberg
447	SME	<a href="#">ATS Industrial IT Solutions GmbH</a>	Industrial/OT cybersecurity and secure connectivity solutions for industrial environments.	Cybersecurity (Embedded); IEC 62443; Industrial Networking/IloT; Connectivity/IoT Devices; Systems Engineering; Testing/Test Automation	Baden-Württemberg
448	SME	<a href="#">RCT Power GmbH</a>	PV/storage inverter systems with strong power-electronics and embedded control/software overlap.	Power Electronics; Inverters/Converters; Battery/BMS/E-Mobility; Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg

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449	SME	<a href="#">awinia GmbH</a>	Industrial-IoT software engineering and testing with embedded/software development roles.	Embedded Software; Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation; CI/CD (Embedded)	Baden-Württemberg
450	Medium	<a href="#">KLS Martin Group</a>	MedTech devices/systems (incl. energy-based/surgical platforms) with embedded electronics/software and regulated V&V.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements	Baden-Württemberg
451	SME	<a href="#">V2Tec GmbH</a>	Industrial connectivity and embedded/edge solutions with strong security/remote-access and device-integration overlap.	Cybersecurity (Embedded); IEC 62443; Industrial Networking/IIoT; Connectivity/IoT Devices; Embedded Linux; Embedded Software; Testing/Test Automation; Systems Engineering	Baden-Württemberg
452	Medium	<a href="#">INGUN Prüfmittelbau GmbH</a>	Test probes/fixtures and electronics test solutions—strong fit for automation-heavy verification and production test.	Test & Measurement; Testing/Test Automation; Measurement Technology; Electronics Design (Schematic/PCB); Systems Engineering; V&V	Baden-Württemberg
453	Medium	<a href="#">Feinmetall GmbH</a>	Test contact/probing technology for electronics manufacturing—verification/test engineering and measurement focus.	Test & Measurement; Testing/Test Automation; Measurement Technology; Electronics Design (Schematic/PCB); V&V	Baden-Württemberg
454	Medium	<a href="#">Schweizer Electronic AG</a>	Advanced PCB/embedded packaging ecosystem (automotive/industry) with strong electronics/qualification & test intersections.	Electronics Design (Schematic/PCB); Automotive/Mobility; Test & Measurement; Testing/Test Automation; V&V	Baden-Württemberg
455	Medium	<a href="#">hema electronic GmbH</a>	Embedded systems & electronics development (incl. sensor tech and vision systems) with HW/SW co-design and device validation.	Sensors/Industrial Sensing; Computer Vision/Embedded Vision; Embedded Software; Firmware; Embedded Linux; Embedded C/Cpp; Electronics Design (Schematic/PCB); Signal Processing; Testing/Test Automation; V&V	Baden-Württemberg
456	SME	<a href="#">Inteff GmbH</a>	Embedded engineering services (HW/SW) for industrial and safety/security-relevant systems.	Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Systems Engineering; Requirements; Testing/Test Automation; V&V	Baden-Württemberg
457	Medium	<a href="#">SPHEREA Deutschland GmbH</a>	Test systems and automation (incl. electronics/embedded test environments) for industry and defence/aerospace contexts.	Test & Measurement; Testing/Test Automation; Measurement Technology; Embedded Software; Electronics Design (Schematic/PCB); Systems Engineering; V&V	Baden-Württemberg
458	SME	<a href="#">Steinbeis Embedded Systems Technologies</a>	Embedded systems development and engineering services (Linux/RTOS, low-level integration) for industrial products.	Embedded Software; Firmware; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg
459	SME	<a href="#">RP-Engineering GmbH</a>	Electronics and embedded development services for device/automation projects (HW, firmware, validation).	Embedded Software; Firmware; Embedded C/Cpp; Embedded Linux; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg

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460	SME	<a href="#">Vision Devices GmbH</a>	Electronics/embedded product development (microcontroller/processor-based devices) from concept to validation.	Embedded Software; Firmware; Embedded C/Cpp; Embedded Linux; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Testing/Test Automation; V&V	Baden-Württemberg
461	SME	<a href="#">TES Electronic Solutions GmbH</a>	HW-near development (FPGA/embedded SW) for demanding electronic systems incl. signal-processing-adjacent projects.	FPGA; Embedded Software; Firmware; Embedded C/Cpp; Signal Processing; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
462	SME	<a href="#">KURZ Industrie-Elektronik GmbH</a>	Industrial electronics (controls/devices) with firmware development, EMC focus and production-near validation.	Industrial Automation; Embedded Software; Firmware; Embedded C/Cpp; Electronics Design (Schematic/PCB); EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg
463	SME	<a href="#">Baudisch Electronic GmbH</a>	Electronics development + integration with EMC/testing orientation and embedded-capable device engineering.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg
464	Medium	<a href="#">Cicor (Reinhard Microtech)</a>	Microelectronics/advanced packaging + electronic modules with embedded-capable electronics development and qualification/testing.	Electronics Design (Schematic/PCB); Sensors/Industrial Sensing; Embedded Software; Firmware; Testing/Test Automation; V&V	Baden-Württemberg
465	Medium	<a href="#">SCHEUERMANN + HEILIG GmbH</a>	Electronics manufacturing/development partner with test/industrialization and embedded-capable device engineering.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; Testing/Test Automation; V&V; Industrial Automation	Baden-Württemberg
466	SME	<a href="#">velixX GmbH</a>	Microsystem/medical-technology development with sensor/embedded intersections and verification-heavy engineering.	Medical Devices/MedTech; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
467	SME	<a href="#">ATR Software GmbH</a>	Software/embedded engineering for industrial/mobility projects (integration, testing and toolchain practices).	Embedded Software; Embedded C/Cpp; Embedded Linux; Systems Engineering; Testing/Test Automation; CI/CD (Embedded); V&V	Baden-Württemberg
468	SME	<a href="#">ondics GmbH</a>	Connected-device and industrial IoT solutions with embedded/edge integration and product engineering.	Connectivity/IoT Devices; Industrial Networking/IIoT; Embedded Software; Firmware; Embedded Linux; Testing/Test Automation; Systems Engineering	Baden-Württemberg
469	SME	<a href="#">MicroConsult GmbH</a>	Embedded systems consulting/training with deep expertise in RTOS/Linux, low-level topics and engineering practices.	Embedded Software; Embedded C/Cpp; RTOS; Embedded Linux; Device Drivers/Low-Level; Systems Engineering; Testing/Test Automation	Baden-Württemberg
470	SME	<a href="#">Ingenieurbüro Barheine</a>	Embedded systems development services (device SW, low-level integration, validation) for industrial customers.	Embedded Software; Firmware; Embedded C/Cpp; Embedded Linux; Device Drivers/Low-Level; Testing/Test Automation; V&V	Baden-Württemberg
471	SME	<a href="#">keiltronic GmbH</a>	Electronics development/manufacturing partner with embedded-capable device engineering and test/validation support.	Electronics Design (Schematic/PCB); Embedded Software; Firmware; Industrial Automation; Testing/Test Automation; V&V	Baden-Württemberg

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472	SME	<a href="#">ESU electronic solutions ulm</a>	Electronics + firmware for digital control systems (device-focused embedded development, interfaces and validation).	Embedded Software; Firmware; Embedded C/Cpp; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Testing/Test Automation; V&V	Baden-Württemberg
473	Medium	<a href="#">Gebr. Heller Maschinenfabrik</a>	CNC machine tools with complex automation stacks, drives/control and industrial connectivity.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Industrial Networking/IIoT; Industrial Ethernet; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg
474	Medium	<a href="#">Walter Maschinenbau</a>	Tool grinding machines/automation—controls, mechatronics and validation/test engineering around complex machinery.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg
475	Medium	<a href="#">INDEX-Werke</a>	CNC production machines with automation/control stacks and industrial integration/testing needs.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Industrial Networking/IIoT; Embedded Software; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg
476	Medium	<a href="#">TELENOT Electronic</a>	Electronic security/alarm systems with embedded devices, connectivity and security-oriented verification.	Defence/Security; Connectivity/IoT Devices; Embedded Software; Firmware; Cybersecurity (Embedded); Testing/Test Automation; V&V; Systems Engineering	Baden-Württemberg
477	Medium	<a href="#">WEISS GmbH</a>	Automation systems/components (e.g., rotary indexing/handling) with embedded control and industrial integration.	Factory Automation/Machinery; Industrial Automation; Drives & Motion Control; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg
478	SME	<a href="#">fruitcore robotics</a>	Industrial robotics/automation (HORST) with embedded control, integration and commissioning needs.	Robotics; Industrial Automation; Factory Automation/Machinery; Embedded Software; Firmware; Embedded C/Cpp; Testing/Test Automation; Systems Engineering	Baden-Württemberg
479	SME	<a href="#">Wiferion</a>	Wireless power transfer/charging for mobile robots & AGVs—power electronics + embedded/connected systems.	Power Electronics; Battery/BMS/E-Mobility; Connectivity/IoT Devices; Embedded Software; Firmware; EMC/EMI; Testing/Test Automation; V&V	Baden-Württemberg
480	SME	<a href="#">ISG Industrielle Steuerungstechnik</a>	Control/simulation engineering (incl. real-time/automation contexts) with embedded/control & test-heavy projects.	Industrial Automation; Drives & Motion Control; Closed-Loop Control; Embedded Software; Testing/Test Automation; Systems Engineering; Requirements	Baden-Württemberg
481	Medium	<a href="#">Vision Tools Bildanalyse Systeme</a>	Industrial machine-vision solutions—vision/AI integration close to automation and inspection systems.	Computer Vision/Embedded Vision; Industrial Automation; AI; Signal Processing; Embedded Software; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg
482	SME	<a href="#">autoVimation</a>	Machine-vision ecosystem components (camera housing/accessories) used in industrial embedded-vision deployments.	Computer Vision/Embedded Vision; Optics/Imaging/Metrology; Sensors/Industrial Sensing; Industrial Automation; Systems Engineering	Baden-Württemberg

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483	Medium	<a href="#">Avnet Embedded</a>	Embedded computing/edge platforms and integration—good for embedded Linux, drivers and device integration work.	Embedded Linux; Embedded Software; Device Drivers/Low-Level; Connectivity/IoT Devices; Industrial Networking/IIoT; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
484	Medium	<a href="#">ND SatCom</a>	Satellite communications systems with embedded SW/HW, RF/signal-processing-adjacent engineering and verification.	Aerospace/Avionics; Defence/Security; Embedded Software; Embedded Linux; Firmware; Signal Processing; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
485	Medium	<a href="#">AUMA</a>	Electric actuators for valves—embedded control, sensors and industrial interfaces in harsh/industrial environments.	Industrial Automation; Process Instrumentation; Drives & Motion Control; Closed-Loop Control; Sensors/Industrial Sensing; Connectivity/IoT Devices; Industrial Networking/IIoT; Embedded Software; Firmware; Testing/Test Automation	Baden-Württemberg
486	Medium	<a href="#">S. Siedle &amp; Söhne</a>	Building communication systems with embedded/connected devices and security-relevant product engineering.	Connectivity/IoT Devices; Embedded Software; Firmware; Embedded Linux; Cybersecurity (Embedded); Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
487	Medium	<a href="#">Zimmer Group</a>	Automation/gripping/handling systems—mechatronics + embedded control and integration in industrial robotics.	Robotics; Industrial Automation; Factory Automation/Machinery; Mechatronic Systems; Actuators; Sensors/Industrial Sensing; Embedded Software; Firmware; Testing/Test Automation; Systems Engineering	Baden-Württemberg
488	Medium	<a href="#">Dürr Dental</a>	Dental/medical devices with embedded electronics/firmware and regulated verification/validation.	Medical Devices/MedTech; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V; Requirements; Systems Engineering; Cybersecurity (Embedded)	Baden-Württemberg
489	Medium	<a href="#">VACUUBRAND</a>	Vacuum/measurement systems with embedded control and device electronics plus verification/testing needs.	Measurement Technology; Sensors/Industrial Sensing; Process Instrumentation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg
490	SME	<a href="#">KERN &amp; SOHN</a>	Weighing and measurement devices with embedded electronics/firmware and connectivity options.	Measurement Technology; Sensors/Industrial Sensing; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Connectivity/IoT Devices; Testing/Test Automation; V&V	Baden-Württemberg
491	Medium	<a href="#">RAMPF Group</a>	Industrial mixing/dispensing and automation equipment—controls, integration and validation-heavy engineering.	Factory Automation/Machinery; Industrial Automation; Embedded Software; Industrial Networking/IIoT; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg

ID	Cpy. size	Company name	Short description	Tags	State (Bundesland)	
492	SME	<a href="#">Vision &amp; Control GmbH</a>	Industrial machine-vision systems for automation/inspection with strong embedded-vision + integration overlap.	Computer Vision/Embedded Vision; Industrial Automation; Embedded Software; Signal Processing; Systems Engineering; Testing/Test Automation; V&V	Baden-Württemberg	
493	Medium	<a href="#">ETO MAGNETIC</a>	Magnetic/actuator and sensor solutions with electronics + embedded/control development in automotive/industry contexts.	Sensors/Industrial Sensing; Mechatronic Systems; Actuators; Embedded Software; Firmware; Automotive/Mobility; Testing/Test Automation; V&V	Baden-Württemberg + more	
494	SME	<a href="#">M&amp;M Software GmbH</a>	Embedded/IoT software engineering (often Linux/Cpp) for industrial and medical products, incl. testing/integration.	Embedded Software; Embedded Linux; Embedded C/Cpp; Connectivity/IoT Devices; Industrial Networking/IIoT; Testing/Test Automation; CI/CD (Embedded)	Baden-Württemberg	
495	SME	<a href="#">Novotechnik Messwertaufnehmer OHG</a>	Position-sensor/measurement solutions for automation with device-level electronics and embedded-capable systems.	Sensors/Industrial Sensing; Measurement Technology; Industrial Automation; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Testing/Test Automation; V&V	Baden-Württemberg	
496	Medium	<a href="#">d&amp;b audiotechnik</a>	Pro-audio systems (DSP-heavy) with embedded software/firmware, signal-processing and connected-device topics.	Signal Processing; Embedded Software; Firmware; Embedded Linux; Connectivity/IoT Devices; Testing/Test Automation; V&V	Baden-Württemberg	
498	Medium	<a href="#">Handtmann Systemtechnik</a>	Machinery/system engineering with automation and embedded-control elements plus integration/validation work.	Factory Automation/Machinery; Industrial Automation; Embedded Software; Firmware; Industrial Networking/IIoT; Industrial Ethernet; Testing/Test Automation; Systems Engineering; V&V	Baden-Württemberg	
499	Medium	<a href="#">M Plan</a>	Engineering services with embedded software, electronics, V&V and systems/requirements work (mobility + industry).	Systems Engineering; Requirements; Embedded Software; Embedded C/Cpp; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Baden-Württemberg + more	
500	Medium	<a href="#">MBtech Group</a>	Mobility/automotive engineering services (E/E, embedded SW, validation, systems engineering).	Automotive/Mobility; Systems Engineering; Requirements; Embedded Software; Embedded C/Cpp; Testing/Test Automation; V&V; HIL/SIL; Functional Safety; ISO 26262	Baden-Württemberg + more	
501	Medium	<a href="#">ITK Engineering</a>	Embedded systems engineering services across automotive/medical/industry with RTOS/Linux and verification focus.	Embedded Software; Embedded C/Cpp; Embedded Linux; RTOS; Systems Engineering; Requirements; Testing/Test Automation; V&V; Functional Safety; ISO 26262; IEC 61508	Baden-Württemberg + more	
502	Big	<a href="#">Bruker</a>	Scientific/measurement instruments with embedded electronics/firmware, signal processing and verification-heavy development.	Test & Measurement; Measurement Technology; Embedded Software; Firmware; Electronics Design (Schematic/PCB); Signal Processing; Testing/Test Automation; V&V	Baden-Württemberg + more	

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