



calibration & metrology



- ✔ Europe`s largest owner managed metrology laboratory
- ✔ Established in 1976
- ✔ Manufacturer independent
- ✔ Accredited since 1997:
D-K-15019-01-00,
DIN EN ISO/IEC 17025:2018

ABOUT US

esz AG in figures

- ✔ 25.000 satisfied customers
- ✔ 200.000 calibrations per year
- ✔ Over 200 accredited quantities
- ✔ 45 years of experience
- ✔ 7 locations in Europe
- ✔ 200 employees
- ✔ 2 mio Euro annual investment



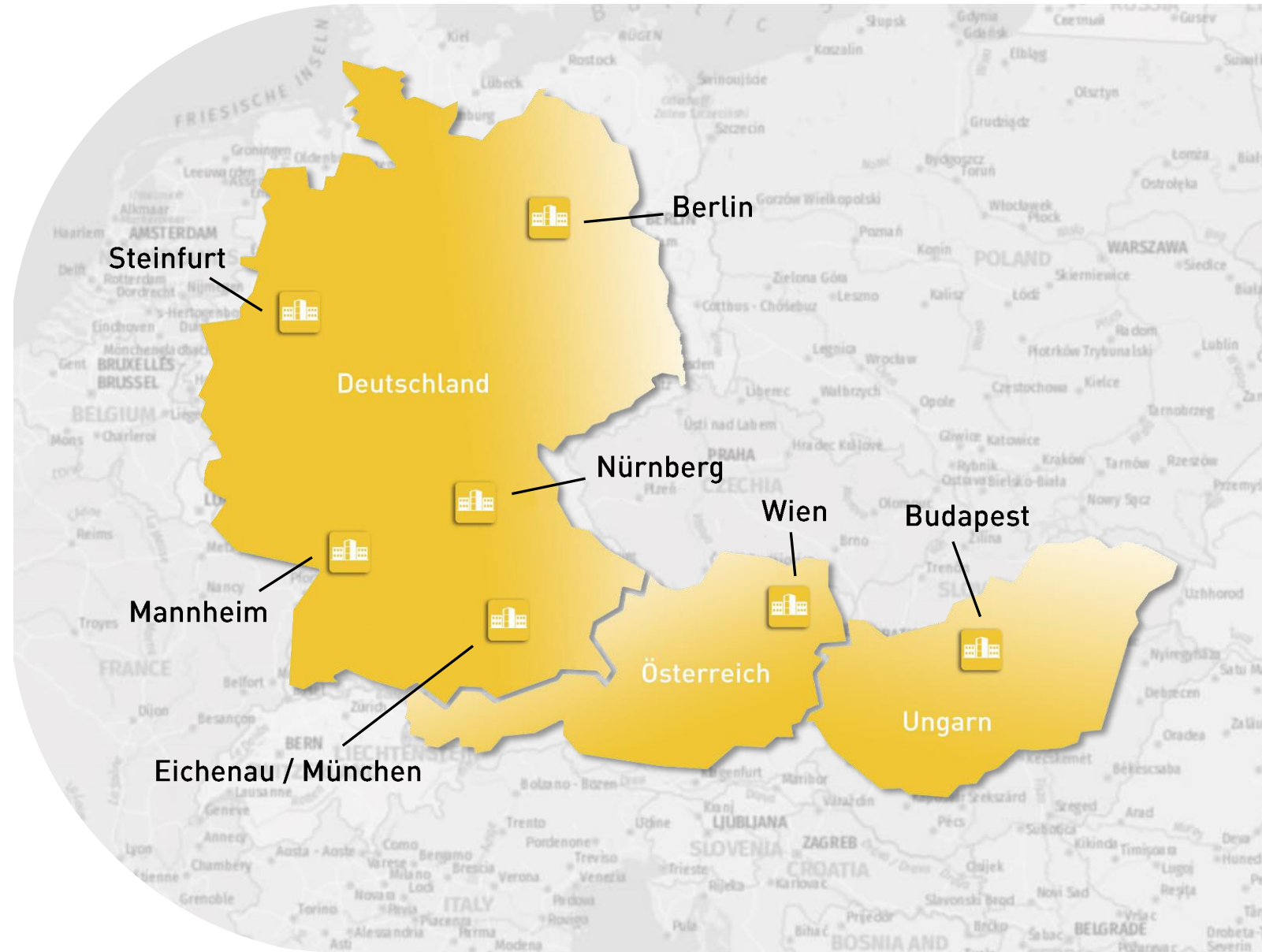


Teamwork

- ✔ 200 employees at 7 locations
- ✔ Colleagues from 20 nations
- ✔ Continuous growth
(2009: 63 > 2023: 243)
- ✔ Above-average period of employment
- ✔ High level of expertise

Our locations

- ✔ Eichenau (Headquarter)
- ✔ Nürnberg
- ✔ Mannheim
- ✔ Steinfurt
- ✔ Berlin
- ✔ Vienna (Austria)
- ✔ Budapest (Hungary)





Medical Technology



Telecommunications



Automotive



Automotive inspection
bodies



Environment



Mechanical Engineering



Electronics / Semiconductors



IT / Software



Transport / Logistics



Energy



Defense industry





■ Calibration



CALIBRATION

Calibration

- ✔ Accredited since 1997:
DAkkS D-K-15019-01-00
DIN EN ISO/IEC 17025:2018
- ✔ Factory calibration /
ISO-compliant calibration
- ✔ Customized





Electrics



Optics



Humidity



Mechanics



Flow



Pressure



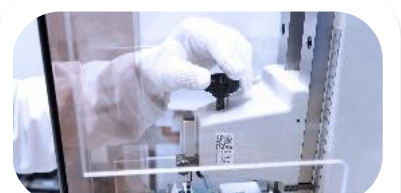
Temperature



Medical Technology



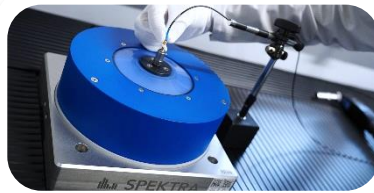
Force



Mass



Torque



Acceleration



Illuminance



KFZ test benches

ALL QUANTITIES



Deutsche
Akkreditierungsstelle
D-K-15019-01-00

Die Akkreditierung gilt für den in der Urkundenanlage
D-K-15019-01-00 festgelegten Umfang.

Quantities



With over 200 accredited quantities, esz
AG is one of the leading laboratories in
Europe. The range of accredited metrics
is growing every year.

ACCREDITATION



DAkkS- und ISO-Calibration

- ✓ DAkkS accredited calibration
- ✓ ISO calibration according to the requirements of DIN EN ISO/IEC 17025:2018
- ✓ Traceability, specifications and quality characteristics, conformity assessment, procedures and requirements are identical
- ✓ Fast and flexible order processing in own laboratories
- ✓ Calibration certificate available digitally as pdf document (full version) and/or as paper document (short version)

Digital Calibration Certificate

- ✔ Full evaluation with detailed measurement data
- ✔ Download with QR code or certificate data via
 - esz-calibration certificate portal: www.esz-ag.de/kalibrierscheindownload
 - Test equipment management software asset expert



Calibration certificates with customer logo

- Available on request for accredited calibrations (DAkkS) and factory calibrations (ISO)
- Factory calibration certificates also available without esz-Logo on request



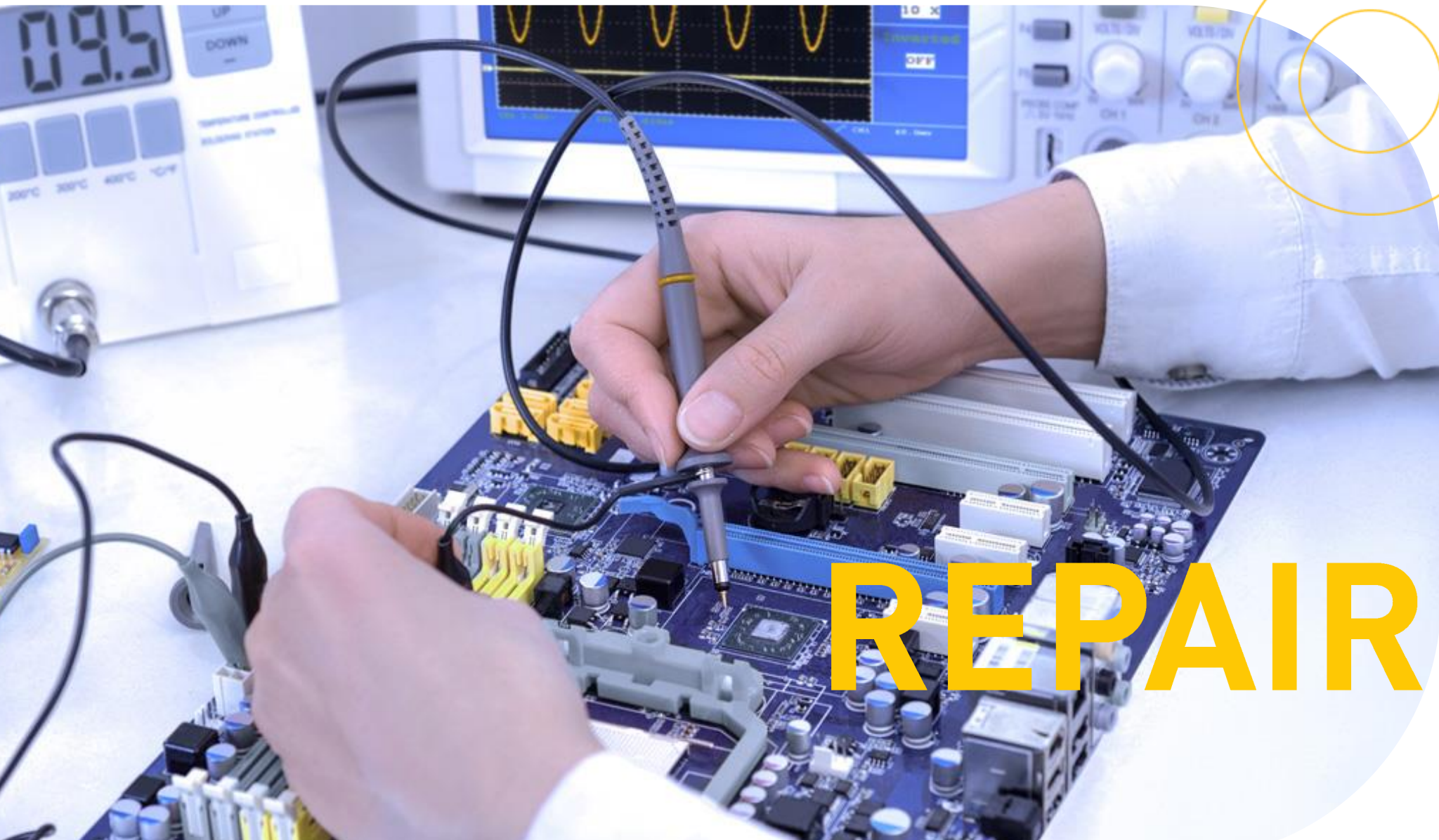


ON-SITE CALIBRATION

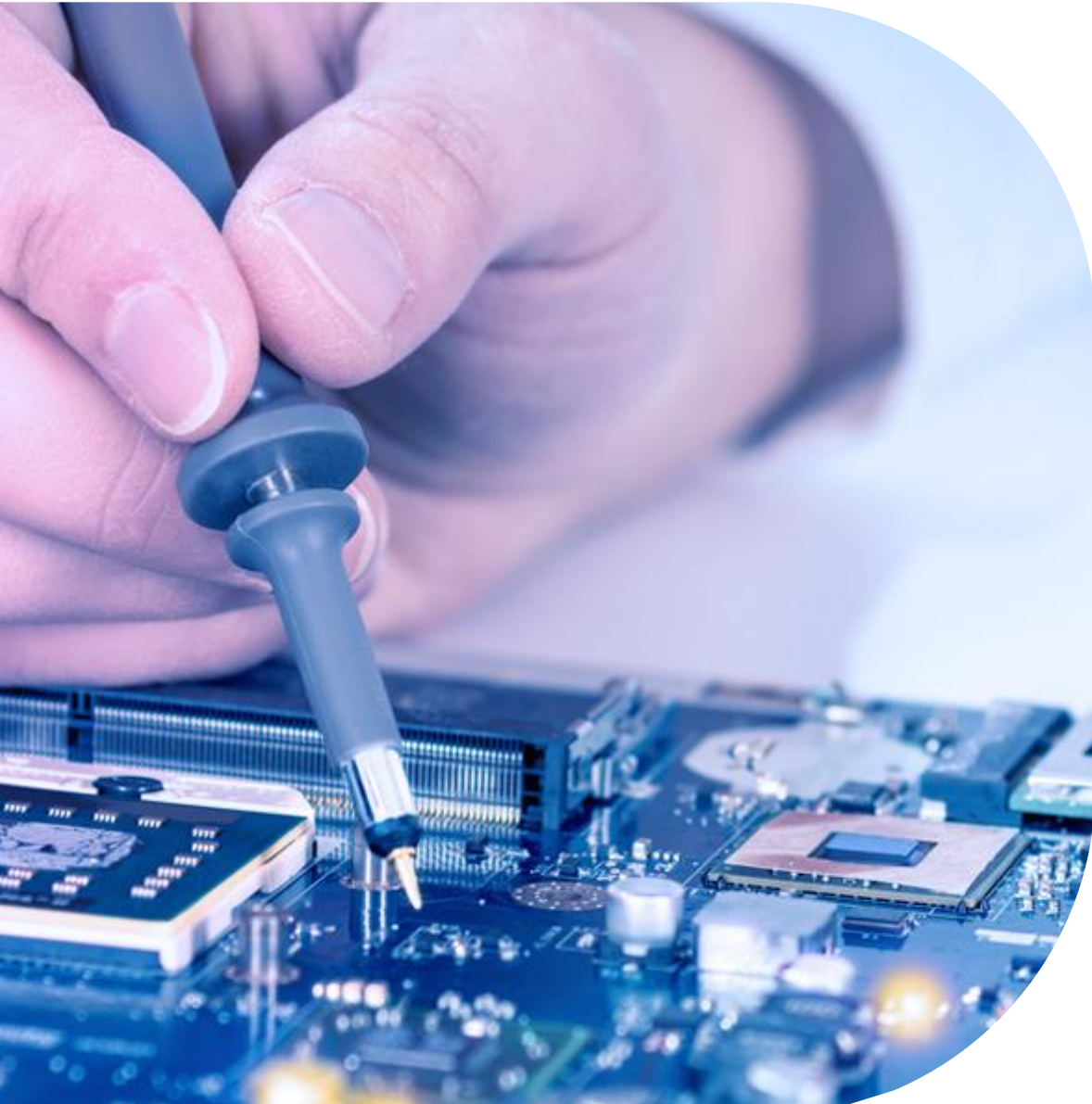


Calibration with customers

- ✓ Minimal downtime for measuring devices
- ✓ Standard-compliant calibration, like in the laboratory
- ✓ No transportation costs and no transportation risk
- ✓ Own laboratory containers available
- ✓ DAkkS-accredited calibrations and ISO/factory calibrations possible



REPAIR



Equipment service and repair

- ✔ Manufacturer-independent repair hub
- ✔ Extensive service catalog
- ✔ Archive with over 20,000 service documents/manuals
- ✔ Service cooperation with well-known manufacturers
- ✔ esz adjustment is only charged if 100% possible



SAFETY INSPECTION / DGUV-V3



Safety inspection / DGUV-V3

- ✓ Manufacturer-independent safety testing of electrical measuring equipment according to DGUV V3 as part of the calibration order or as an individual order.
- ✓ Safety tests of electrical equipment in three sections according to the DGUV V3 test protocol:
 - ✓ visual inspection
 - ✓ functional test
 - ✓ measurement check
- ✓ Legally compliant test protocol
- ✓ Marking of the device with test sticker



LOGISTIK EXPERT

tion & metrology



Logistik Expert / On-site

- ✔ Professional pick-up and transport service in Germany, Austria, Hungary, Poland and Benelux
- ✔ Short downtimes
- ✔ Trained specialist personnel
- ✔ Own equipment-specific transport packaging
- ✔ Full value insurance
- ✔ Daily delivery routes
- ✔ Cost transparency for on-site service
- ✔ Onsite calibration at the customer's location



CONSULTING & TRAINING

Consulting

- ✔ Feasibility check for metrological projects
- ✔ Calibration procedure descriptions and measurement uncertainty budgets
- ✔ Implementation in calibration expert
- ✔ Training of esz departments and external partners
- ✔ Development of calibration procedures and measuring stations for esz AG
- ✔ Accreditation sharing and authorization network coordination for external organisations





Trainings

- ✓ esz competence training
- ✓ Seminars
- ✓ Trainings
- ✓ Employee trainings



CEPS

- ✓ Calibration of test equipment directly in the company
- ✓ Creation of individual calibration description with complete measurement uncertainty balance in accordance with EA 4/02 (prev. DAkkS-DKD-3)
- ✓ Traceability of the calibration equipment / standards used, verification and test equipment monitoring
- ✓ Organisation, processing and evaluation of interlaboratory comparisons (proficiency tests)



SOFTWARE- SOLUTIONS



Test equipment management

- ✔ Inventory of the test equipment pool
- ✔ Feasibility check of metrological projects
- ✔ Reduced administrative effort
- ✔ Compliance with calibration deadlines thanks to notification function
- ✔ Complete history view
- ✔ Central order management
- ✔ Order overview at a glance
- ✔ Request for quotation for calibrations
- ✔ Creation of shipment documents



aePLUS



Safety

needs **confidence.** We make
confidence **measurable.**

For today's **decisions**
and **products**
for the **future.**