



TQ-Product- Compliance-Center

Your accredited test laboratory for international
certifications and efficient product approvals



Watch video here

Welcome to TQ

Your Partner for Advanced Electronics Solutions

As one of Germany's leading system providers for Electronics Engineering and Manufacturing Services, we support our customers from the initial idea through development and beyond series production. We combine extensive development and manufacturing expertise with in-depth know-how in qualification and certification.

A key advantage for our customers is the TQ-Product-Compliance-Center (TQ-PCC), our in-house accredited test laboratory. Here, the prerequisites for successful product approval are established already during the development phase.

The result: shorter time-to-market, reduced costs, minimized risks, and a seamless, efficient process from product concept to market readiness.

Discover now: www.tq-group.com/en/pcc

Fast and Successful International Product Approval

The accredited TQ-PCC is fully equipped to test product functionality and ensure compliance with international standards as well as customer-specific requirements.

We support you not only in the approval and certification of your products, but also with expert consulting and efficient implementation throughout the process.

By involving the TQ-PCC at an early stage, development risks can be reduced, product delays avoided, and unnecessary approval loops prevented. This shortens your time-to-market and improves planning reliability.

With broad expertise in international certification processes, we help you bring your products to markets worldwide.



Your benefits at a glance

- ✓ Comprehensive support for qualification and certification
- ✓ Reduced time-to-market
- ✓ Short-notice test slots with high-quality services
- ✓ Lower costs and minimized risks
- ✓ Close collaboration with TQ's development team
- ✓ End-to-end project support



International certifications and accredited testing

Our testing and verification services include:

- Electromagnetic Compatibility (EMC)
- Radio / RF testing
- Product safety
- Material compliance
- Software License Compliance Management
- Cybersecurity
- Environmental simulation

- Support with national and international conformity certifications
- Assistance in optimizing your product during the development phase

All tests are conducted under realistic operating conditions.



Electromechanical compatibility (EMC)

EMC Measurements:

IT equipment, industrial applications, test and measurement devices, medical devices, maritime, railway, household appliances, and radio equipment (EN 301 489-x).

Detailed technical specifications of our test facilities are available on our website.

RF Measurements:

- BT Classic/BLE
- WiFi 2,4 GHz , 5 GHz, 6 GHz
- GNSS
- SRD/RFID
- 3D antenna measurements
- LTE and 5G

Product safety

- Visual, electrical, and mechanical testing in accordance with EN 62368-1 and EN 61010
- Ball pressure tests, glow-wire tests, and needle flame tests in accordance with EN 60695-2
- Initial electrical commissioning of systems and equipment
- Recognized test reports
- Requalification tests





Environmental testing

- IP class testing (up to IP67)
- Thermography
- Climatic stress, temperature and humidity
- UV resistance
- Mechanical stress
- Packaging test: Free fall
- Transport simulation
- Acoustic measurements
- Wear tests

Material Compliance

- Assessment of compliance with REACH requirements
- Support with declaration obligations
- Support with component-related environmental conformity
- Advice on the implementation of environmentally relevant requirements



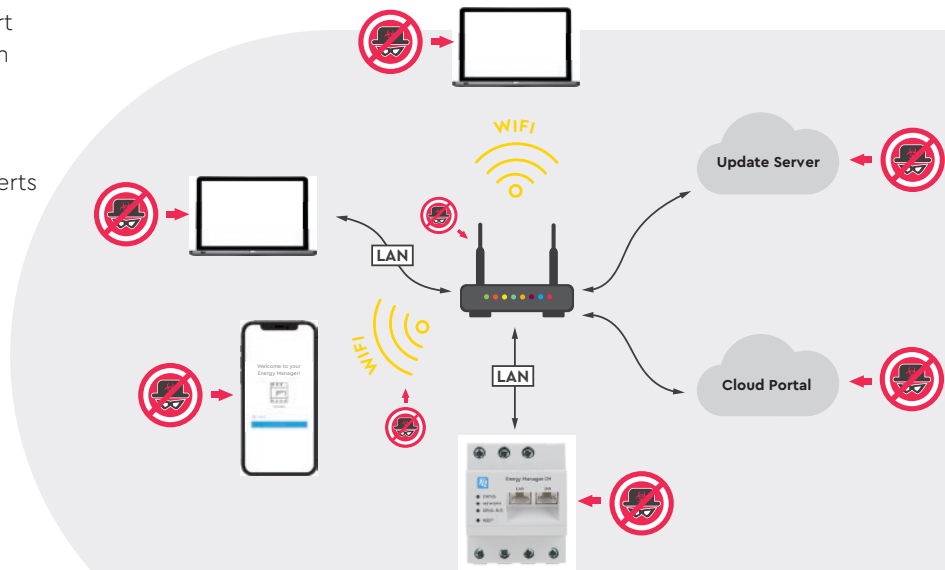
Cybersecurity

In our highly connected world, even the smallest interface can pose a risk for cyberattacks.

That's why TQ takes a holistic approach to cybersecurity. We support you in developing your product with tailor-made security concepts designed for your specific application.

Our experienced cybersecurity experts provide deep expertise in software (including BSP, operating systems, microcontrollers, cloud, and web applications) as well as hardware security.

With an integrated approach, we work with you to develop a fully secured system solution – ensuring protection at every level.



TQ protects you from cyberattacks

Our Expertise

Threat analysis and risk assessment

- Dynamic application security testing
- Compliance with international standards
- Development of security concepts
- Implementation of your cybersecurity measures

Our Service

- Pentest using Black Box, White Box, and Grey Box methods
- Source code analysis (SecCodeReview and SAST)
- Creation of Software Bill of Materials (SBOM)



Software License Compliance Management



- Legally compliant development, production and delivery of your products
- License analysis based on your software sources
- Identification of critical licenses & license conflicts in your business model
- Creation of license documentation for your product
- Advice on the implementation of license obligations

International approvals and product certification

Your reliable partner for global market access.



Consulting on necessary approvals and certifications



Technical consulting and training throughout development phase



Acceptance tests (accredited, test reports in English)



Early detection of product-relevant changes and new requirements

TQ-Product-Compliance-Center Augsburg

- 20+ test engineers and experts
- Inter-site collaboration
between TQ development departments

Get in touch with us and discover how we can bring your products to market faster and with the highest quality.

Your contact for the TQ-PCC

TQ-Product-Compliance-Center

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Technology
in Quality

