

Element Materials Technology Hamburg

Comprehensive materials testing
and welding technology expertise.

 element



We operate a specialized materials testing laboratory serving the energy sector. Our team in Hamburg helps clients ensure material quality and reliability through comprehensive testing, inspection, and failure analysis services across a 1200-square-meter facility.

Our specialized expertise:

- **Advanced Materials Testing**

We specialize in destructive testing of metallic materials according to ISO, ASTM, and customer-specific standards with rapid turnaround times.

- **Specialized Failure Analysis**

Our in-house experts determine root causes of material failures to prevent future occurrences and improve material selection.

- **Sophisticated Analytical Capabilities**

We provide specialized SEM analysis and digital radiography testing using advanced equipment to detect material anomalies and defects.

- **Comprehensive Welding Technology**

We offer expert weld testing, inspection, and monitoring services with DNV recognition for material test inspection.

Why choose Element Hamburg?

Our dedicated specialists bring extensive knowledge in materials science, materials technology, and welding processes to every project. We offer fast turnaround times and quick communications to keep your projects on schedule. Our capabilities range from standardized mechanical-technological tests to customer-specific evaluations, damage analyses, and research project support. With specialized electrical discharge machining (EDM) equipment, we can prepare precise test specimens to meet your exact requirements.

Success by the numbers

With our comprehensive 1200-square-meter laboratory staffed by experienced technicians and specialists, we provide the full spectrum of testing services for metallic materials. Our accreditations across multiple standards demonstrate our commitment to quality and technical excellence.

Take the next step

We're here to support your materials testing and inspection needs across the energy sector.

Contact Our Laboratory to discuss your specific project needs.

Accreditations

We meet DIN EN ISO/IEC 17025 and DIN EN ISO 17020 standards and hold DNV recognition as a manufacturer for Inspection of Material Tests (metallic materials).

Connect with our team

Element Materials Technology Hamburg
Tempowerkring 11, 21079 Hamburg, Germany

P: +49 (0) 40 2000397 0

F: +49 (0) 40 2000 397 10

W: www.element.com/locations/europe/hamburg

