

TÜV Rheinland Thailand  
SERVICE Overview



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 **TÜVRheinland®**  
Genau. Richtig.



**Our New Test Mark | One for all;**

**More transparency**

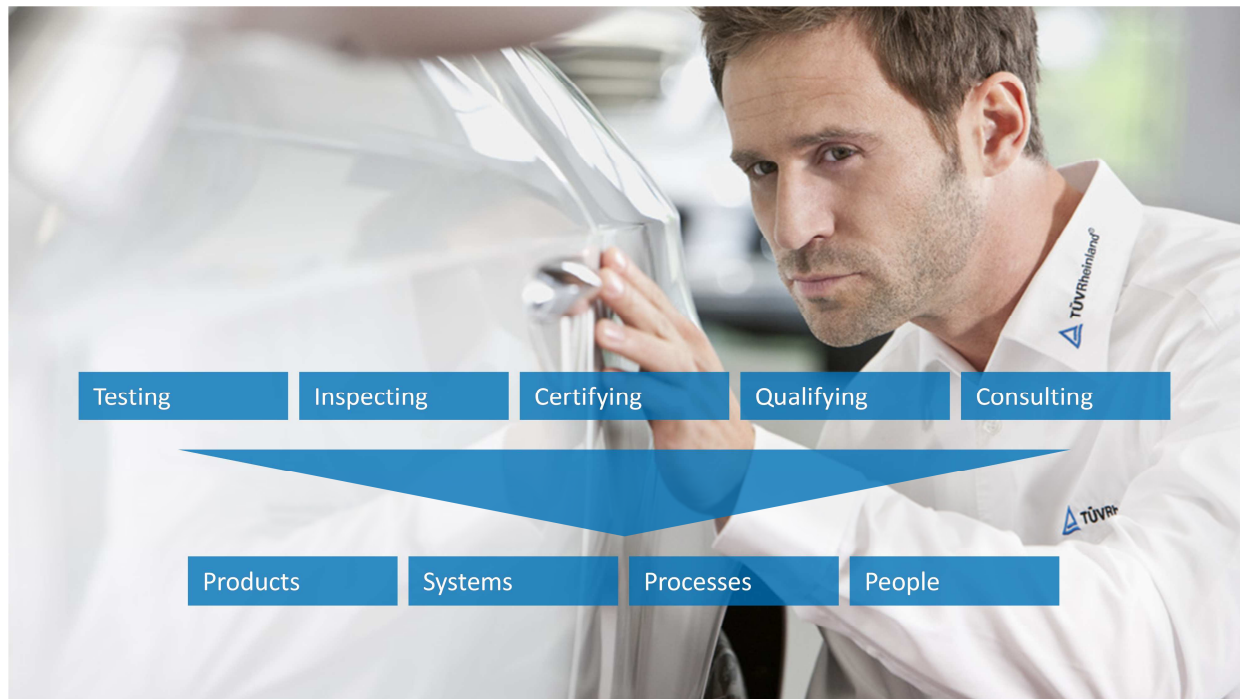
**More safety**

**More advertising value**

Our new test mark replaces all others. From now on, TÜV Rheinland issues only one globally unified test mark with a clear declaration of testing scope and a QR code.

## TÜV Rheinland Thailand | Our Services.

More safety and quality –  
for your competitive edge.



### TÜV Rheinland Thailand Service Overview

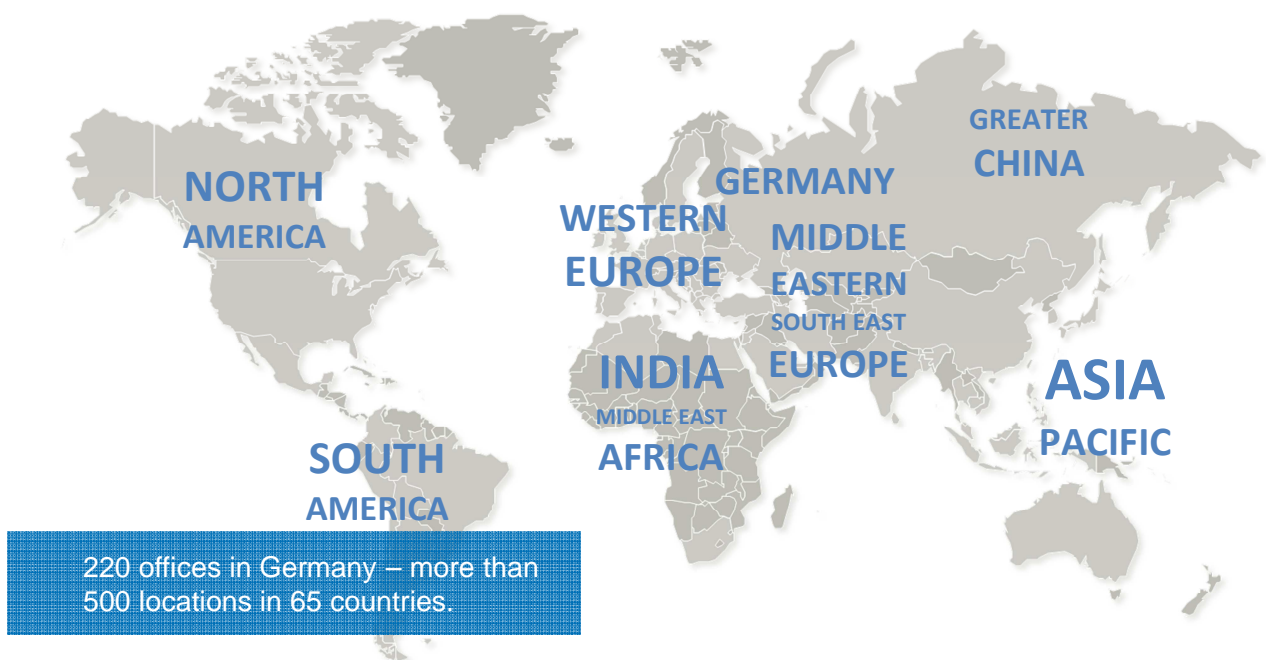
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|--|--|---|--|---|
|   |   |    |                    |    |
| <b>Industrial Services</b> <ul style="list-style-type: none"> <li>Pressure Equipment and Material Technology</li> <li>Supply Chain Services/International Projects</li> <li>Energy and Environmental Technologies</li> </ul> | <b>Mobility Testing and Engineering</b> <ul style="list-style-type: none"> <li>Car Services &amp; Appraisal</li> <li>Engineering / Type Approval Rail</li> </ul> | <b>Product Testing and International Market Access</b> <ul style="list-style-type: none"> <li>Toys &amp; Stationary</li> <li>Chemical</li> <li>Food Contact</li> <li>Textile</li> <li>Footwear &amp; Leather</li> <li>Automotive Part</li> <li>Electrical and Electronic</li> <li>Medical Equipment</li> <li>Furniture</li> <li>Solar and Fuel Cell Technology</li> </ul> | <b>Training and Consulting</b> <ul style="list-style-type: none"> <li>Professional Training</li> </ul> | <b>System Certification</b> <ul style="list-style-type: none"> <li>Certification of Management Systems</li> <li>Customized Service</li> </ul> |

# TÜV Rheinland

## Profile

TÜV Rheinland Group is a global leader in independent testing, inspection and certification services. Founded in 1872 and headquartered in Cologne, Germany, the group employs more than 16,000 people in over 500 locations in 65 countries and generates annual revenues of over € 1,417 billion.

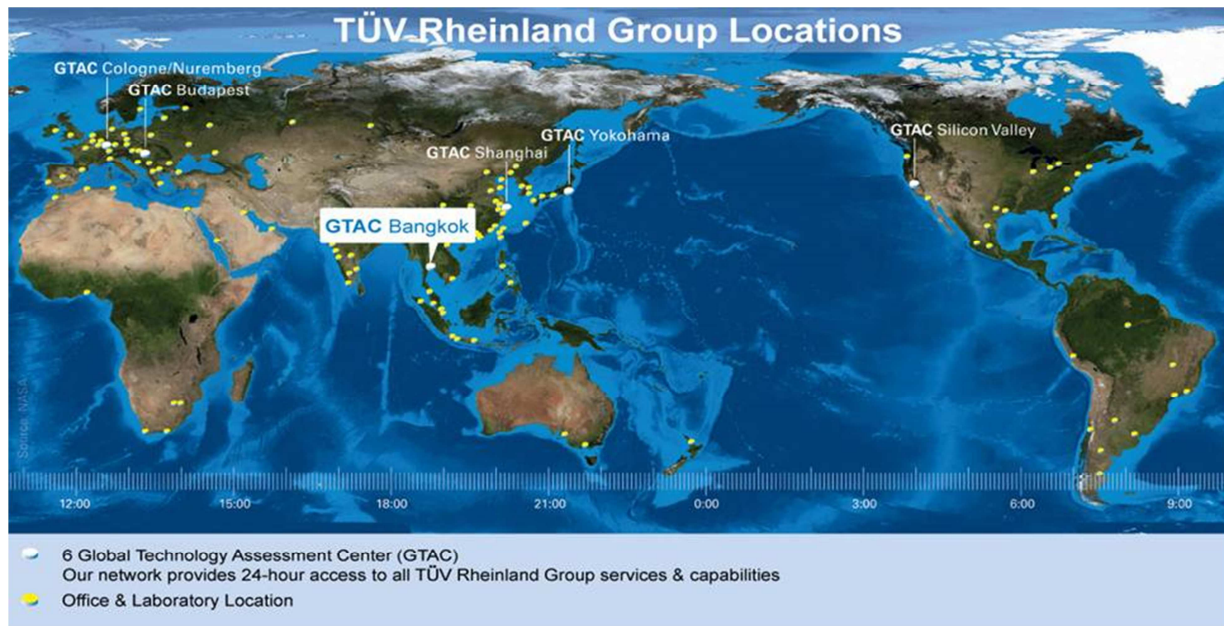
## At Home on All Continents



North America | Western Europe | Germany | Greater China

South America | India | Middle East | Africa | Middle, Eastern, South East Europe | Asia Pacific





TÜV Rheinland Group Locations & 6 GTAC Locations around the world

## TÜV Rheinland Thailand

### Overview

TÜV Rheinland Thailand is member of TÜV Rheinland Group. With new ideas, expertise, and a global network, we lend a hand in making products, services, systems, and people safer and more competitive. We support, develop, promote, test, and certify.

In this way, we help to build a future that does lasting justice to the requirements of humankind and the environment.

TÜV Rheinland Thailand provides testing, inspection and certification services to major local industries, where tests are crucial to assess the readiness of the products to enter local and export markets. Testing services include chemical, physical, electrical safety and performance tests for a broad product range as household appliances, IT, automotive, furniture, textile, toys, stationery and medical. Inspection services include industries as Rail, Energy, Oil & Gas, Steel, Automotive and Machinery.

### History

- 1991 TÜV Rheinland Thailand established
- 2000 Opened Hat Yai branch office
- 2004 Established Household Appliances and A/V products testing laboratory. Received local accreditation by NAC\* for System Certification
- 2006 Received local accreditation by TISI\* for Electrical Safety Laboratory
- 2007 Member in the CB scheme as a certification body test laboratory (CBTL )
- 2010 Established GTAC at Ladkrabang Industrial Estate, Bangkok
- 2011 20th Anniversary on August 25<sup>th</sup>  
Implementation of ISO/IEC 17025 for GTAC by TISI,

Accreditation for product testing  
External surveillance audit ISO/IEC 17021 by NAC  
Accreditation for system certification IECEE CB Scheme for product testing  
2012 Received Accreditation of ISO/IEC 17025 for GTAC by TISI

**GTAC** Bangkok is the sixth GTAC among others around the world. It consists of more than 20 testing rooms arranged under one roof (accredited by TISI acc.to ISO/IEC 17025 )

Laboratory Accreditation acc. to ISO/IEC 17025

- The ISO/IEC 17025 standard establishes requirements for a laboratory management system that combines quality management system requirements with technical requirements.
- TUV Rheinland has established the Laboratory Accreditation Services Program, bringing together the international reputation and technical expertise that your business needs and your customers demand.

## Industrial Services



- **Pressure Equipment and Plant Technology**
  - Inspections and Approval acc. to Pressure Equipment Directives
- **Supply Chain and Integrity Services**
- **Energy and Environment Technology**
  - Accredited DOE by UNFCCC, as a CDM Validator and Verifier for all sectoral scopes (1-15)
  - ISO 14064 Greenhouse Gas Emissions and Removals
  - Photovoltaic product testing & certification
- **Project Management and Supervision**

## Mobility Testing and Engineering



- **Homologation of Motor Vehicle Components:**
  - Type approval tests according to EC-directives/ regulations and ECE-regulations, resulting in official EC- or ECE-approvals, e.g. lighting, glass, tire, mirror.
- **Engineering Testing of Motor Vehicle Components:**
  - Physical & mechanical test for Interior & Exterior material or components according to OEM's standards and international standards.
  - Chemical test for material/components according to OEM's standards, international standards, regulations & directives
- **Workshop Services:**
  - Audits of workshops according to client's standards
  - Tests with prepared vehicles of workshops according to client's standards
- **Other Services:**
  - Training & Consulting

## Products Testing and International Market Access



### ■ Products Testing

- Chemical Analysis
  - REACH, RoHS, ELV, VOCs
  - Food contact material/article
  - Jewelry
- Toys, Children's product & Stationery
  - National & International Toy safety standard testing
- Textiles & Garments
  - Global retailer service
  - Physical testing & ECO Textile testing
- Footwear & Leather
  - Physical testing & chemical toxic analysis

### ■ Furniture and Non-food Packaged Product

We offer a wide range of tests on mechanical safety, fitness-for-use, endurance / durability as well as inspections / certification to exceed our customers' expectations

- Furniture
  - Mechanical tests & chemical tests for indoor and outdoor furniture acc. to national and international recognized standards
  - Inspection services
  - Training / Consulting / Seminars about quality & safety requirements
- Non-food Packaged Product
  - Transit test for packaged product
  - Bursting strength for corrugated board
  - Compression test for shipping container, components
  - Loading test for pallet
- Others
  - Household & kitchenware testing
  - Candle & candle holder
  - Market access for sanitary ware

### ■ Electrical

- Safety Evaluation
  - Home appliances i.e. air conditioner, refrigerator, washing machine, electric iron, electric iron, electric fan
  - microwave oven, etc.
  - AV products i.e. TV/LCD TV, CD/DVD player, amplifier, etc.
  - IT equipments i.e. printer, telephone, power supply, etc.
- Performance and Usability
  - Home appliance (refrigerator energy efficiency, ErP, etc.).
- Type approval - component, thermostat, etc.
- CB Certification & Marks
  - CB Certificate
  - CE Marking
  - TUV Mark
  - GS Mark, etc.



**CB certification**



**CE marking**



**TUV Mark**



**GS Mark**

- International Approvals – Market Access Service

We are certification body of :

- Germany GS, Bauart mark
- Argentina S-mark
- Japan <PS>E, (PS)E and S-mark
- North America cTUVus mark
- Hungary MEEI/S-mark
- Hong Kong S-mark
- Saudi Arabia KSA CoC
- Brazil S-mark approval
- Kuwait KUCAS TER, TIR
- Nigeria SONCAP PC, SC
- Singapore PSB mark
- Australia Safety mark, ITACS



- **Commercial**

- **Components**



- **Machinery Products**



CE

SEMI S2/S8

SOP 39

- **Solar/Fuel Cell Technology**

- PV Products and Component Certification
  - Safety/Yield Testing and Certification

## Training and Consulting



- **Professional Training**

- Programs tailored to your needs
  - Individual training is available, as well as seminars and courses for groups



- training can take place either in your company or in our own classrooms
- The latest materials and information form the international network
- Professional trainers and lecturers
- Advanced communication and presentation methods
- Certificates renowned worldwide

## Systems Certification



- **Certification of Management Systems**
  - ISO 9001- Quality Management System
  - ISO/TS 16949 - Certification for the Automotive Industry
  - ISO 14001-Environmental Management System
  - OHSAS 18001-Occupational Health & Safety
  - ISO 28000 series- Supply Chain Security Management
  - ISO 27001 - Information Security Management System
  - ISO 50001 – Energy Management Standard
  - Second party audit / Supplier audit
  - ECO-Tourism (Certification for the Hospitality and Tourism sector)



Management  
System  
ISO 9001:2008



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ISO 14001:2004  
ISO/TS 16949:2009



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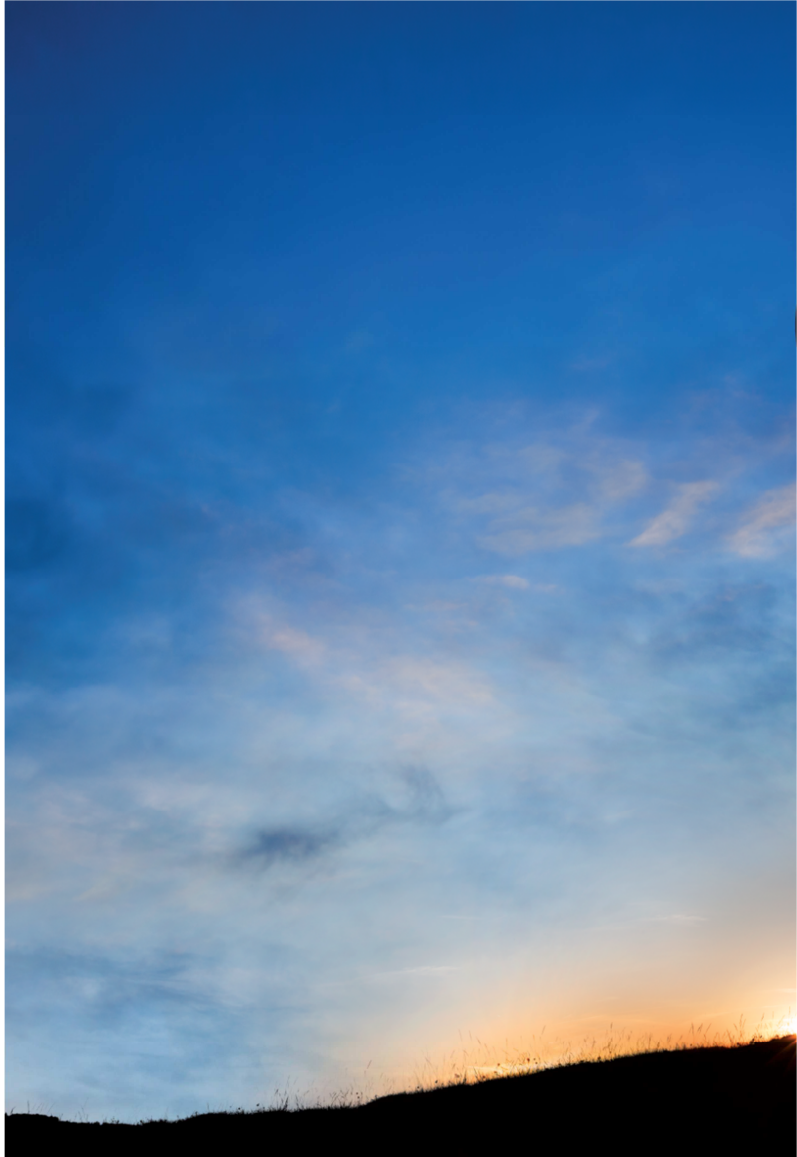
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transparency,  
safety and  
advertising value

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Back Cover