Industrial Services
Industrial supply chain control services

TUV Rheinland is your reliable partner

Industrial producers must provide the best products and most competitive prices, which require raw materials and open parts that represent the best value for money. There is a growing demand for stringent supply chain control. TUV Rheinland provides a broad range of supply chain services to industrial product manufacturers to help them to control the entire supply chain process. Thanks to the global channels of our network, we can assess suppliers worldwide and track the entire supply chain in a matter of just hours or a few days.

Service scope

Vendor assessment

We always in which augment you open – TUV Rheinland’s services during Vendor Selection, Production, Shipment and Installation, can add value along the entire supply chain. We also help you to select qualified and capable suppliers, to assess the quality of materials and components and to avoid delays in delivery.

Production

Our services include inspection and testing of the incoming materials, quality control and management during the production, final acceptance inspection after the production.

- Inspections (visual, dimensional, welding, testing, painting)
- Witnessing of quality tests
- Experiments
- NDT
- Documentation review
- FAT (factory acceptance test)
- PS1 (pre-shipment inspection)
产品认证服务
Product certification services

压力设备及材料工程
Pressure equipment and materials engineering

产品范围
Product scope

- 锅炉和压力容器
- 泵
- 钢铁
- 换热器
- 热交换器
- 锅炉和压力容器
- 阀门
- 泵
- 泵机组
- 汽轮机
- 电站产品
- 建筑产品
- 建筑
- 大型材料
Welding and materials technology

Welding-related testing
- Product testing based on various national laws (5 Marks or 250 Words)
- DIN EN 1090 railway applications: welding of railway vehicles and components (5 Marks or 250 Words)
- DIN EN ISO 9646 quality requirements for fusion welding of metallic materials (5 Marks or 250 Words)
- Non-destructive materials testing (5 Marks or 250 Words)

ASME authorised inspection services

ASME authorised inspection services
TUV Rheinland AQA Services, LLC is a leading provider of inspection services worldwide. As an ASME-accredited authorised inspection agency, the American Society of Mechanical Engineers (ASME), founded in 1880, is a professional body in the field of mechanical engineering. We assist you in the application of ASME certification, renewal of certificates, and inspections on cost-stamped boilers and pressure vessels to be in accordance with various ASME and National Board Inspection Code requirements.

Service scopes
- Introduction of ASME code and accreditation procedure
- Review Material Certificate Book
- Review design drawings and calculation sheets
- Review AWS, PQ, WP, WPS codes
- Review ASME code quality documentation
- Inspection during fabrication of boiler vessels
- Pre-stress test work
- ASME joint review

Welding-related certification services
- ASME, NBIC (German railway) and/or Vd TÜV 1134 approval of various welding consumables
- DIN EN 1090 approval for welding facilities of railway vehicles and railway vehicle parts
- Qualification of welders, welding processes and NDT processes
- Weld work under DIN 18800-7, welded steel structures under DIN 18800-7
- Pressure vessel structures under DIN 4113
- Welding process monitoring code under DIN 4609

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- Welding process monitoring code under DIN 4609
金属材料测试服务

Service scope

- 化学成分分析
- 金相分析
- 硬度测试
- 非金属成分定量
- 色谱分析
- X射线衍射
- 机械性能测试
- 平面弯曲
- 膨胀
- 压缩
- 冲击
- 冲击韧性
- 硬度（洛氏、布氏、维氏）
- 其他
- 长度与重量
- 无损检测
- X射线
- 线
- UT
- PT
- MT
- 磁粉
- 涡流
- WKG与FSI testing

产品范围

Product scope

- 测试材料
  - 钢铁
- 非金属
- 高品质不锈钢
- 铝
- 不锈钢
- 铜及合金
- 铝合金
- 钛及合金
- 其他
- 测试产品
  - 电子行业
  - 管材和管件
  - 压力
  - 碳素
- 塑料
- 电缆
- 铜接头
- 铜管
- 铁
- 钢
- 合金
- 不锈
- 五金
- 硬质合金
- 电线
- 尼龙
- 电磁
- 电磁

无损检测服务

Non-destructive testing services

无损检测服务为工业领域提供的一种非破坏性检测方法，用于在不破坏材料和结构的情况下检查其内部或表面的缺陷。这种方法在保证生产工艺过程质量的同时，也为设备和结构的完整性提供了保障。

服务范围

Service scope

- 无损检测
- 金属材料耐压测试
- 耐火材料耐热性测试
- 产品性能测试
- 化学成分分析
- 机械性能测试
- 硬度测试
- X射线衍射
- 金相分析
- 无损检测
风能服务

Wind power services

能效咨询服务

Energy efficiency consultancy services

服务范围

Service scope

Industries such as petrochemical, pharmaceutical, power generation and distribution systems, commercial buildings and institutional buildings.

风能服务

Wind power services

- Site assessment/design basis
- Design verification
- Owner’s representative
- Technical consultancy
- ISO

- Site specific design of wind turbine and foundations
- Design verification
- Site specific design
- Quality audit and vendor review
- Owner’s representative
- ISO
- Technical consultancy
- ISO

- Manufacturing survey
- Site drilling survey
- Site inspection
- Quality control
- Quality assurance
- Final installation inspection
- Marine warranty survey

- Condition monitoring
- Fatigue analysis
- End of warranty inspection
- Verification of performance
- Maintenance management
- IS doors
- Critical design
- Blade inspection and NOC
- Casing inspection
- Power testing
- ISO

- Measurement and verification
- Energy saving system testing
- Energy audit
- Energy saving technology
- Energy management system training

Tell us more about the wind power services and energy efficiency consultancy services.

Tell us more about the energy efficiency consultancy services and their relevance to industrial and institutional buildings.

Tell us more about the specific design of wind turbines and foundations.

Tell us more about the manufacturing survey and site inspection.

Tell us more about the condition monitoring and fatigue analysis.

Tell us more about the energy saving systems and their benefits.

Tell us more about the energy management system training and its importance.

Tell us more about the relevance of these services to the industries mentioned.

Tell us more about the specific design of wind turbines and foundations.