



Choose certainty.  
Add value.

## Industry Service 工业服务

Ensuring safety in all stages of your project  
确保项目全程的安全性



### Brief introduction of Industry Service

On 6 January 1866, TÜV SÜD was founded by steam boiler associations in Germany with the business objective of protecting people, the environment and property against the risk emanating from a new, largely unknown form of technology. TÜV SÜD Industry Service is your qualified partner, relying on interdisciplinary knowhow throughout all phases of your projects. We provide value-added expertise, consulting, inspection and certification services in the field of boiler, pressure vessel, piping and its safety accessories, complete set of conventional power unit & equipment, nuclear power equipment, elevator, renewables, chemical, oil & gas, manufacturing & industrial machinery, amusement rides, materials testing, construction structure, welding, NDT, supply chain service and environmental protection.

### 工业服务部简介

1866年1月6日，德国的锅炉协会创立了TÜV南德意志集团，其商业宗旨为保护人类、环境和财产，防止新型未知技术所带来的风险。TÜV南德意志集团工业服务部在项目的全过程依靠跨学科知识、为您提供针对锅炉、压力容器、管道及其安全附件、常规电站成套机组及设备、核电设备、新能源、石油化工、工业系统和装备、电梯、游乐设施、材料测试、建筑结构、焊接及无损检测、供应链服务、环境保护等方面增值的专业技术、咨询、检验和认证服务，是您值得信任的合作伙伴。



### Product Categories

- Amusement Rides & Leisure Parks
- Civil Engineering and Construction Product
- Chemical, Oil & Gas
- Complete Set of Conventional Power Plant & Relative Equipment
- Environmental Protection
- Energy Efficiency
- Renewables
- Lift & Hoisting Equipment
- Manufacturing & Industrial Machinery
- Metal & Polymer Material
- Nuclear Power Plant
- Pressure Equipment
- Piping and Safety Accessories
- Steam & Hot Water Boiler
- Steel Structure
- Welding Technology
- Non Destructive Test
- QA/QC

### 我们的产品范围

- 游乐设施和游乐场
- 土木工程及建筑产品
- 石油，化工和天然气
- 常规电站成套机组及设备
- 环境保护
- 能效
- 新能源
- 电梯和起重设备
- 工业系统和装备
- 金属及非金属材料
- 核电站
- 承压设备
- 管道及其安全部件
- 蒸汽锅炉和热水锅炉
- 钢结构
- 焊接技术
- 无损检测
- 质量保证/质量管理



## Our Services

### European Approval

- Pressure Equipment Directive \* (97/23/EC or 2014/68/EU): certification & conformity assessment for boiler & pressure vessel, pipelines, pressure accessories and safety accessories as per EU Pressure Equipment Directive and relative harmonized standard
- Transportable Pressure Equipment Directive (2010/35/EU): certification & conformity assessment for cylinders, non refillable metallic cylinders, LPG/LNG cylinders, cryogenic receptacles, tankers by rail & road, valve, safety valve and bursting disc as per EU Transportable Pressure Equipment Directive (2010/35/EU)
- ADR/RID 6.8.2.1.23 in connection with EN 14025 and EN ISO 3834-2 (pressure tank for transport of dangerous good)
- Simple Pressure Vessel Directive (2014/29/EU): certification & conformity assessment as per Simple Pressure Vessel Directive (2009/105/EC) and EN 286
- Construction Products Regulation (305/2011/EU): certification for construction products, relative raw material and filler material as per Construction Products Regulation (305/2011/EU) and relative harmonized standard
- ATEX (2014/34/EU): certification & the conformity assessment for non-electrical products as per ATEX 2014/34/EU

\* New Pressure Equipment Directive will be effective since 19th, July, 2016, and replace 97/23/EC.

## 我们的服务范围

### 欧盟认证

- 按照欧盟承压设备指令PED 2014/68/EU\*及其对应的欧盟协调标准对锅炉、压力容器、管道、承压附件、安全附件及相关材料等产品进行认证及符合性评估
- 按照欧盟移动式承压设备指令TPED 2010/35/EU对钢制及铝制气瓶、一次性充装气瓶、液化石油天然气气瓶、低温容器、公路及铁路罐车、阀门、安全阀门及爆破片进行认证及符合性评估
- 按照危险品国际间公路、铁路运输的欧洲协议ADR/RID 6.8.2.1.23及EN 14025、EN ISO 3834-2对危险品运输用的压力容器制造商进行资格认可
- 按照欧盟简单压力容器指令SPVD 2014/29/EU及EN 286对简单压力容器进行认证及符合性评估
- 按照建筑产品法规CPR 305/2011/EU及其相关欧盟协调标准对建筑产品，建筑原材料及焊接材料进行认证
- 按照防爆指令ATEX 2014/34/EU对非电气产品进行认证及符合性评估

\* 新的欧盟承压设备指令2014/68/EU将于2016年7月19号生效，并取代97/23/EC。



- Lift Directive (2014/33/EU): lift & safety components type examination according to EN 81-1/2; measurement and calculation energy demand and consumption as per VDI 4707
- Machinery Directive (2006/42/EC): escalator & moving walkway type examination according to EN 115-1; certification & conformity assessment for wind turbine, conventional power station and relative equipment, manufacturing & industrial machinery as per Machinery Directive 2006/42/EC
- Electromagnetic Compatibility Directive (2014/30/EU): certification for wind turbine, conventional power station and relative equipment, manufacturing & industrial machinery as per Electromagnetic Compatibility Directive 2014/30/EU
- Low Voltage Directive (2014/35/EU): certification for wind turbine, conventional power station and relative equipment, manufacturing & industrial machinery as per Low Voltage Directive 2014/35/EU
- EN 1090-1 Approval
- EN 15085-2 Approval
- EN 10204 3.2 Certification
- EN ISO 3834
- EN 12952-5 and EN ISO 3834-2 (boiler)
- EN 13445-4 and EN ISO 3834-2 (pressure vessel)
- 按照EN 81-1/2 进行电梯整梯及安全部件的型式认证；按照VDI 4707对电梯进行能量需求和能量消耗的测量
- 按照EN 115-1进行自动扶梯及人行走道的型式认证；按照机械指令MD 2006/42/EC对风力发电机、常规电站成套机组及设备、工业系统和装备等产品进行认证及符合性评估
- 按照电磁兼容性指令EMC 2014/30/EU对风力发电机、常规电站成套机组及设备、工业系统和装备等产品进行认证
- 按照低电压指令LVD 2014/35/EU对风力发电机、常规电站成套机组及设备、工业系统和装备等产品进行认证
- 钢结构和铝结构制造商资格认可
- 轨道车辆及其部件焊接制造商资格认可
- 金属产品3.2证书
- 制造商金属材料焊接质量体系要求认可
- 按照EN 12952-5及EN ISO 3834-2对锅炉制造商进行资格认可
- 按照EN 13445-4及EN ISO 3834-2对压力容器制造商进行资格认可

#### German Approval

- AD 2000 HP0 certification
- AD 2000 W0 certification
- VdTÜV 1153 certification for filler material
- DB certification for filler material
- Certification, consultant and inspection service for wind turbine, components, offshore and onshore wind farm as per GL/IEC standard, etc.
- Certification and inspection service for hydro power and solar thermal stations.

#### 德国认证

- 按照德国压力容器规范AD 2000 HP0进行锅炉压力容器及其附件制造厂资格认证
- 按照德国压力容器规范AD 2000进行原材料AD W0认证
- 承压设备用的焊接材料VdTÜV 1153认证
- 德国联邦铁路法规DB焊接材料认证
- 按照GL导则/IEC标准对风机、零部件、海上和陆上风场提供认证、咨询和检验服务
- 针对水电站和光热电站，提供认证和检验服务



### ASME/NB Certification and Inspection Services

As an affiliate company of TÜV SÜD - ARISE Boiler Inspection and Insurance Co., RRG have been accredited as an Authorized Inspection Agency (AIA) by ASME, and also have National Board accreditation for NB-369 and acceptance to NB-360. We are internationally known for our expertise in equipment compliance with the ASME Boiler and Pressure Vessel Code:

- Client preparation for ASME/NB certification
- Review and acceptance of quality programs and Procedures
- Design calculations review according to the ASME codes
- Verification of the qualification of welding processes and welders
- Verification of the qualification of nondestructive examination procedures and personnel
- Inspection of components to be stamped with the ASME/NB code symbol stamp
- Third party inspection of components complying with the ASME code but which are not subject to stamping with the code symbol stamp

### IBR Certification

- As an inspecting authority recognized by CBB India, we provide IBR certification service for boiler, boiler external piping, boiler auxiliaries equipment, fittings and valves, material etc.
- As a competent authority authorized by CBB India, we provide welder qualification approval and verifying welder's performance service.

### ASME/NB认证及检验服务

TÜV南德意志集团旗下的ARISE Boiler Inspection and Insurance Co., RRG是ASME认可的锅炉压力容器授权检验机构（AIA），并由美国锅炉压力容器授权检验师国家委员会（NB）按NB-369和NB-360认可的授权检验机构。我们资深的授权检验师可以按ASME锅炉压力容器法规为客户提供：

- ASME/NB认证及换证服务
- 审核和批准质量保证体系和程序文件
- 按ASME法规的设计计算审核
- 核实焊接工艺评定和焊工资格
- 审核无损探伤规程和人员资格
- 按ASME/NB的要求进行钢印产品的检验
- 按ASME法规的要求对非钢印产品进行第三方检验

### 印度锅炉认证

- 作为印度中央锅炉局授权的检验机构，我们提供出口到印度的锅炉、锅炉外部锅道、锅炉辅助容器、管件和阀门、材料等IBR认证。
- 作为印度中央锅炉局授权的资质考试机构，我们提供焊工考试和焊工资格认可服务。



### International Regulations and Standards

- API 607/6FA/ISO 10497
- ECE R110
- ECE R67
- ECE R134
- ISO 11439
- ISO 15500
- Singapore MOM certification
- New Zealand Design Verification and Inspection Service
- Australia the Third Party Inspection Service
- Malaysia Department of Occupational Safety and Health (DOSH)
- Technical Regulation Customs Union Certification

### Chemical, Oil & Gas Services

- **Investment project management** - TÜV SÜD professional staff participate project management as owner engineers, we provide added value service for your project during basic engineering, detailed engineering, procurement, manufacturing quality/schedule control, site construction quality/safety/schedule/ cost control, commissioning and start-up.
- **Process safety** - high quality services in the areas of risk analysis, thermal process safety, explosion prevention and protection, electrostatic risk prevention and product safety for the process industry
- **Equipment mechanical integrity management** - Pressure equipments, rotating equipments, pipeline, tank farm.

### 其它国际性法规及标准的产品认证

- 工业阀门防火认证
- 车用天然气瓶及其零部件E标记认证
- 车用液化石油气瓶及其零部件E标记认证
- 车用氢气瓶及其零部件E标记认证
- 车用压缩天然气瓶认证
- 车用压缩天然气瓶阀及其零部件出口认证服务
- 新加坡MOM认证
- 新西兰设计审核和检验服务
- 澳大利亚第三方检验服务
- 马来西亚DOSH认证
- 俄罗斯、白俄罗斯、哈萨克斯坦海关联盟认证

### 石油，化工和天然气服务

- **投资项目管理**—TÜV南德意志集团专业团队以业主工程师的身份参与投资项目的管理，我们在初步设计，详细设计，采购管理，制造厂质量、进度控制，现场安装质量、安全、进度、费用开支，调试及开车阶段为客户提供专业的服务
- **工艺安全**—我们为流程工业客户提供风险分析，热反应工艺安全，爆炸预防以及防护，静电风险预防以及产品安全服务
- **设备机械完整性管理**—承压设备，动设备，管线以及罐区。



### Personal Qualification

- NDT Personnel training, examination and qualification in Level I, II & III for UT, RT, PT, MT, VT methods according to EN 473/ISO 9712, SNT TC-1A, ACCP and 2014/68/EU, Annex I, Section 3.1.3
- Welding Procedure Qualification & Welder or Welding Operator Performance Qualification (applicable code: EN, ASME, AWS, GB, IBR, etc)

Second Party Inspection/ Third Party Inspection (According to client requirement)

### Energy Efficiency & Emission Reduction Services

- Energy Audit for Building and Plants
- Operation Tests on Major Energy Consuming Equipment
- Energy Management Training Course
- Consultation Services for Green Buildings as per LEED

### Low Carbon Product Services

- GHG Protocol Corporate Accounting and Reporting Standard Verification
- ISO 14064 GHG Certification
- Product Carbon Footprint (ISO 14067/PAS 2050) Verification
- Airport Carbon Accreditation (ACA)
- International Sustainability Carbon Certification (ISCC)

### 人员资质认可

- 依据EN 473/ISO 9712, SNT TC-1A, ACCP和PED 97/23/EC, Annex I, Section 3.1.3 标准规范对1、2和3级五种方法（射线、超声、磁粉、渗透和目视）无损检测人员培训、考试和资格认可
- 焊接工艺评定和焊工，焊接操作工资格认可（应用标准包括：EN, ASME, AWS, GB, IBR等）

第二方检验 / 第三方检验（根据客户要求）

### 能效与减排服务

- 能源审计
- 重点耗能设备检测
- 能源管理系列课程培训
- LEED绿色建筑咨询

### 碳资源管理服务

- 温室气体核算体系企业标准认证
- ISO 14064温室气体查证
- 产品碳足迹（ISO 14067/PAS 2050）核证
- 国际机场碳认证
- 生物燃料可持续性碳认证



## Your business benefits

- Ensures that your product is compliant to the standard requirements
- Greater assurance on safety and reduction of litigation
- Minimize your maintenance and management costs
- Increased acceptance of your products globally

## Why choose TÜV SÜD?

Established in Germany more than 150 years ago, TÜV SÜD is one of the world's leading technical services providers, offering knowledge services, inspections, testing, expert opinions, certification and training. Approximately 24,000 employees at over 850 locations worldwide provide technology, system and know-how optimization.

## 您的企业收益

- 确保您的产品符合标准要求
- 保证安全，降低潜在风险
- 减少维保和管理成本
- 提高您的产品的国际认可度

## 为什么选择TÜV南德意志集团?

1866年诞生于德国，TÜV南德意志集团是业内领先的技术服务公司，为您提供资讯、检验、测试、专家意见、认证和培训服务。24,000多名员工遍及全球850个办事处，着力为您提供技术、体系和实际运作中的优化服务。

\* Some of the services listed are provided due to local regulations only and may not be available in other regions. Please contact us for further details.

\* 上述部分服务可能由于当地法规的原因而无法在您的地区提供。欢迎您与我们联系咨询。

## Our branches in Greater China:

我们在大中华区的代表处:

Shanghai	上海	Tel.: +86 21 6141 0123	Qingdao	青岛	Tel.: +86 532 8503 0106
Shanghai Testing Center	上海测试中心	Tel.: +86 21 6037 6300	Dalian	大连	Tel.: +86 411 8230 4203
Industry Material Testing Lab	上海工业材料实验室	Tel.: +86 21 6014 9880	Shenyang	沈阳	Tel.: +86 24 6223 3726
Wuxi	无锡	Tel.: +86 510 8820 3737	Changchun	长春	Tel.: +86 431 8462 9833
Ningbo	宁波	Tel.: +86 574 2786 6658	Hong Kong	香港	Tel.: +852 2776 1323
Nanjing	南京	Tel.: +86 25 8779 0058	Hong Kong Lab	香港元朗实验室	Tel.: +852 2443 3774
Hefei	合肥	Tel.: +86 551 6537 8730	Shenzhen	深圳	Tel.: +86 755 8828 6998
Taizhou	台州	Tel.: +86 576 8966 1886	Guangzhou	广州	Tel.: +86 20 3832 0668
Suzhou	苏州	Tel.: +86 512 6809 5318	Xiamen	厦门	Tel.: +86 592 7706 188
Chengdu	成都	Tel.: +86 28 8952 0656	Dongguan	东莞	Tel.: +86 769 2168 7092
Hangzhou	杭州	Tel.: +86 571 8111 0758	Quanzhou	泉州	Tel.: +86 595 2281 3681
Changzhou	常州	Tel.: +86 519 8123 9872	Changsha	长沙	Tel.: +86 731 8458 5815
Chongqing	重庆	Tel.: +86 23 8980 9513	Liuzhou	柳州	Tel.: +86 772 3858 696
Beijing	北京	Tel.: +86 10 6590 6186	Taipei	台北	Tel.: +886 2 2898 6818
Tianjin	天津	Tel.: +86 22 8319 2258	Taichung	台中	Tel.: +886 4 2287 0566