



TL SHANGHAI
CONFORMITY ASSESSMENT SERVICES LTD. CO.





TürkLoydu由土耳其最重要的组织于1962年创立,其使命是在土耳其的海事和工业领域实现技术进步。由TMMOB船舶工程师商会、土耳其保险和再保险公司协会、土耳其商会和商品交易所协会 (TOBB)、海事商会、伊斯坦布尔工业商会、土耳其商会联盟、土耳其工程师和建筑师,船东协会创立的Türk Loydu,如今,成为一个国际公认的组织,在其"分类和合格评定"活动中提供全球服务。Türk Loydu 通过制定规则和标准来跟踪世界海事和工业领域的发展,并通过不断向利益相关者部门提供信息,在塑造该领域的未来方面发挥着重要作用。

根据其战略目标,Türk Loydu 在世界第二大经济体中华人民共和国正式成立了位于上海的TL SHANG-HAI CONFORMITY ASSESSMENT SERVICES LTD. CO.公司,

凭借我们机构的愿景和目标,提供我们的客户在国外需要的可靠和优质的服务,开展正在进行的大型项目的活动,确保可能的第三方合格评定服务的可持续性,以及发展技术知识转让的需要是采取这一步骤的决定性因素。在向国际市场提供优质服务方面至关重要,这是我们国家所需要的。

我公司将在第三方制造和装配控制、认证、检验和监督活动范围提供服务,目前在大型项目中开展人员和方法认证、监督和协调活动。目前我公司开展人员和方法认证、监督,并大型项目中开展协调活动。服务由 Türk Loydu Uygunluk Degerlendirme Hizmetleri A.S.认证和授权提供。





The foundations of Türk Loydu were established in 1962 by the most important organizations of Turkey with a mission to implement the technical progress in the marine and industrial sectors in Turkey. Today, Türk Loydu which was founded by the TMMOB Chamber of Naval Architects and Marine Engineers with the participation of many esteemed stakeholders such as 'Union Insurance and Reinsurance Companies of Turkey', 'Union of Chambers and Commodity Exchanges of Turkey (TOBB), 'Chamber of Shipping', 'Istanbul Chamber of Industry, 'Union of Chambers of Engineers and Architects of Turkey', 'Turkish Shipowners' Association', and 'Turkish Shipbuilders' Association' is an internationally recognized organization that renders service in the field of 'Classification and Conformity Assessment' globally. Türk Loydu plays a fundamental role in shaping the future in the sector by following the developments in the world in the marine and industrial sectors starting from the phase of setting the rules and standards and constantly informing its stakeholder sectors.

In line with its strategic objectives, Türk Loydu officially founded the Shanghai-based TL SHANGHAI CONFORMITY ASSESSMENT SERVICES LTD. CO. in the People's Republic of China which is the world's second-largest economy.

The need to offer reliable and high-quality service that our customers need abroad, to carry out the activities of ongoing mega projects, to ensure the sustainability of probable third-party conformity assessment services, and to develop technological knowledge transfer has been determinative in taking this step, which is of critical importance in terms of offering high-quality service to the international market as our country needs, with the vision and goals of our institution.

Our company, which will render service within the scope of third-party production and assembly control, certification, inspection, and surveillance activities, currently carries out personnel and method certification, surveillance, and coordination activities in mega projects. The services are rendered with the accreditation and by virtue of Türk Loydu Uygunluk Değerlendirme Hizmetleri A.S.





工业和能源设施检查

从项目控制生产阶段开始, 合格评定机构根据标准和客户规范对所有生产阶段进行设施和设备的检查和认证, 定期进行必要的计划停机控制, 从而确保设施的运行可靠性。

检查目标地点

- 石化设施
- 化学设施
- 发电厂
- 其他工业设施

检查的优势

- 满足法律要求
- 确保生命、财产和环境的安全
- 降低投资和运营成本
- 降低保险成本
- 确保设施的安全运行
- 延长使用寿命

提供的服务

在广泛的活动范围内,为工业设施、尤其是能源、化工和石化设施提供制造控制服务、 计划中的停机检查服务以及运行设备的检查服务。



Industrial and Energy Facilities Inspection

Ensuring the operational reliability of the facilities is possible with the inspection and certification of all stages of production, starting from the project control process at the stage of production, by a conformity assessment body in terms of facilities and equipment according to the standard and customer specifications and in the pursue of this, making necessary planned shutdown controls during operation regularly.

Target Area of Inspection

- Petrochemical Facilities
- Chemical Facilities
- Power Plants
- Other Industrial Facilities

Advantages of Inspection

- Meeting legal requirements
- Ensuring the safety of life, property, and environment
- Reducing investment and operating costs
- Reducing insurance costs
- Ensuring the safe operation of the facility
- Extending the operating life

Services Offered

Within the scope of a wide range of activities, the manufacturing control services, planned shutdown inspection services, and inspection services of the equipment in service are offered for industrial facilities, particularly energy, chemical, and petrochemical facilities.

检验范围

对金属和非金属材料提供无损检测服务。在此范围内, 面向产品的特殊应用程序通过使用传统和/或先进的技术进行工程支持, 并通过针对客户要求和特殊情况制定解决方案来提供无损检测服务。

检查目标地点

- 海运行业
- 铁路行业
- 能源行业
- 石化行业
- 航空业
- 建筑/工程行业

检查的优势

- 通过在不损坏产品/结构的情况下检测不连续性来确保预防未来的灾难性事件。
- •设备/产品寿命延长。
- •设施/产品维修/维护成本降低。

提供的服务

根据EN、API、ASME、AWS等国际应用标准,对被检测的产品或结构提供无损检测服务。

- 超声波测试
- 射线照相测试
- 渗透测试
- 磁粉测试
- · 高级超声波应用(TOFD、PAUT等)
- 内窥镜检查



Non-Destructive Testing

Inspection services are rendered with non-destructive testing methods of metallic and non-metallic materials. Within this scope, product-oriented special applications are made with engineering support by using conventional and/or advanced techniques, and non-destructive testing services are rendered by generating solutions specific to customer requests and special cases.

Target Area of Inspection

- Marine Sector
- Railway Sector
- Energy Sector
- Petrochemical Sector
- Aviation Sector
- Building/Construction Sector

Advantages of inspection

- It ensures the prevention of catastrophic events which may occur in the future, by detecting discontinuities without damaging the product / structure.
- Facility/product life is extended.
- Facility/product repair/maintenance costs are reduced.

Services Offered

Non-destructive testing services are offered on the product or structure inspected with the following test methods depending on international application standards such as EN, API, ASME, AWS.

- Ultrasonic Test
- Radiographic Test
- Penetrant Test
- Magnetic Particle Test
- Advanced Ultrasonic Applications (TOFD, PAUT, etc.)
- Endoscopic Test



楼宇监理服务

建筑物即可以建立在生命、财产和环境安全的基础上,并以最佳成本运行从设计阶段开始,通过在生产和组装的每个阶段按照标准和客户要求生产构成结构的部件。通过独立且称职的合格评定机构对流程进行审核和记录,可以确保满足这些要求。

认证目标领域

桥梁、高架桥、工业设施、机场、体育场馆和运动场、住宅、商业/文化中心、摩天大楼、石油/天然气生产中使用的平台、购物中心、钢、钢筋混凝土、复合结构,如地板、钢筋混凝土、电气系统和焊接制造控制、防火和通风/空调系统控制。

认证优势

- 建筑物安全的证明
- 确保生命、财产和环境的安全
- 促进投资融资贷款供应
- 在销售和促销方面提供竞争优势
- 降低维护/维修成本
- •尽量减少更换/维修成本
- 延长使用寿命

提供的服务

作为第三方控制机构; 结构的制造、组装和定期控制是根据标准和客户规范进行。



Building Inspection Services

It is possible to construct buildings based on the safety of life, property, and environment and to operate them at optimum costs by producing the components that form the building in conformity with the standards and customer requests at every stage of production and assembly starting from the design phase. Assuring that these requirements are met is possible with the audit and certification of the processes by independent and competent conformity assessment bodies.

Target Area of Certification

Electrical system and welded manufacturing controls of bridges, viaducts, industrial facilities, airports, stadiums, sports complexes, residences, business/cultural centers, skyscrapers, platforms used in oil/natural gas production, shopping malls, floors of buildings such as steel, reinforced concrete, composite and controls of fire protection and ventilation/air conditioning systems.

Advantages of Certification

- Certification concerning that the building is safe
- Ensuring the safety of life, property, and environment
- Facilitating the borrowing for investment financing
- Providing competitive advantage in sales and promotion
- Reducing maintenance / repair costs
- Minimizing replacement / repair costs
- Extending the operating life

Services Offered

As a third-party control body, it renders service for manufacturing, assembly, and periodic controls of the structures according to the standards and customer specifications.



工厂生产控制认证

在土耳其和欧盟 (EU) 国家生效的"305/2011/EU 建筑材料法规"范围内的产品必须以"CE"标志投放市场。如果产品标有CE标签,则证明其是按照欧盟规定生产的,并且该产品被允许在所有欧盟和欧盟有自由贸易协定的国家流通。为了获得CE标志,公司必须按照相关标准建立工厂生产控制系统,并获得"公告机构"的认证。

认证目标领域

结构金属制品及辅助元件	
结构金属型材/型材: 各种形状(T、L、H、U、Z、I、槽、角、槽、管)的型材,各种形状的扁平材(薄板、板材、带材),无论是热轧、冷成型还是以其他方式制造,由各种金属材料、铸件、锻件和棒铁制成,通过内衬(涂层)进行保护或未保护以防止腐蚀。 (用于金属结构或混合金属和混凝土结构)	EN 10025-1 EN 10210-1 EN 10219-1 EN 15048-1 EN 15088
由结构金属制成的建筑材料: 金属制品,如桁架、梁、柱、楼梯、椽、承重柱和板桩(窗帘)。零件、轨道、轨枕,按尺寸切割,专为特定应用而设计。它们可能会或可能不会通过衬里来防止腐蚀,它们可以是焊接的或未焊接的。(用于地基和建筑框架)	EN 1090-1+A1
焊接材料。(用于结构金属制品)	EN 13479
结构紧固件: 金属铆钉、螺栓(螺母和垫圈)和高强度螺栓(高强度摩擦离合器螺栓)、双头螺栓、螺钉、导轨紧固件。(用于结构金属制品)	EN 14399-1

提供的服务

根据上述标准提供认证服务。

Factory Production Control Certification

The products within the scope of the "305/201 I/EU Construction Products Regulation" applicable in Turkey and European Union (EU) countries must be put on the market with the "CE" mark. If the product is marked with the CE mark, it is verified that it has been produced according to EU regulations and thus, the product is allowed to circulate in all EU countries and the countries that have concluded free trade agreements with the EU. To mark with CE, the companies must establish a factory production control system per the related standard and they must be certified by "Notified Bodies".

Target Area of Certification

Structural metal products and auxiliary elements	
Structural metallic sections/profiles: Sections/profiles in various shapes whether hot rolled, cold drawn, or manufactured otherwise (T, L, H, U, Z, I, ducts, gussets, grooves, pipes), flat products (sheet, plate, strip), and cast, forged and bar steel made of miscellaneous metal materials and protected by the lining (coating) or unprotected against corrosion (To be used in metal structures or metal and concrete mixed structures)	EN 10025-1 EN 10210-1 EN 10219-1 EN 15048-1 EN 15088
Construction materials made of structural metal: Finished metal products such as trusses, beams, columns, stairs, rafters, load-bearing posts, and sheet-piling (curtains). Parts, rails, axle beams that are designed for specific applications and cut to appropriate sizes. They may or may not be protected against corrosion by lining, and maybe welded or unwelded. (To be used in foundations and structural frames)	EN 1090-1+A1
Welding materials. (To be used in structural metalworks)	EN 13479
Structural fasteners: Metallic rivets, bolts (nuts and flakes) and high-resistant bolts (high-strength frictional compressor bolts), stud bolts, screws, railway fasteners. (To be used in structural metalworks)	EN 14399-1

Services Offered

Certification services are rendered according to the standards listed above.

储罐认证

凭借大气地上储罐的能力和专家团队,新制造的储罐的设计、制造和装配控制均按照 API 620 和 API 650 标准进行,并提供认证服务。

根据 API 620 和 API 650 在储罐制造控制范围内进行的活动如下:

- 检查和批准设计(图纸和计算)
- 焊工文件的控制
- ・焊接方法认证的控制 (WPS&PQR)
- 控制制造中使用的材料和文件
- 工厂预生产(加捻等)期间的控制
- 现场装配控制
- 目视检查和测量控制
- 无损检测(射线照相胶片的评估、其他无损检测测试的监督)
- 储罐认证

认证目标领域

- 燃料储存设施
- 化学物质储存设施
- 储罐制造商

认证优势

- 确保产品的安全和安全运行
- 保险费用优势



Certification of Storage Tanks

With its competence and expert staff in atmospheric aboveground storage tanks, the design, manufacturing, and assembly controls of newly manufactured tanks are conducted, and the certification service is offered according to API 620 and API 650 standards.

The activities conducted within the scope of manufacturing controls of storage tanks according to API 620 and API 650 are as follows:

- Control and approval of the design (technical drawings and calculations)
- Control of welder certificates
- Control of welding method approvals (WPS&PQR)
- Control of materials and documents used in manufacturing
- Controls during pre-production (twisting, etc.)
 in the factory
- On-site assembly control
- Visual inspection and measurement controls
- Non-destructive testing (assessment of radiographic films, supervision of other NDT tests)
- Certification for the storage tank

Target Area of Certification

• Fuel storage facilities

T-104

- Chemical substance storage facilities
- Storage tank manufacturers

Advantages of Certification

- Ensuring the safety and safe operation of the product
- An advantage in insurance costs



消防系统认证

防火系统的符合性评估是工业和家庭建筑中日益重要的活动之一。灭火系统的合格评定是根据相关的 EN、NFPA 标准进行的。认证过程从设计、水力计算审查和批准开始;组装检查、测试和性能评估。 如果发现系统合适,则颁发"批准证书"。 消防领域的主要评估系统总结如下:

- 洒水系统
- 消防水箱
- 消防泵站
- 消火栓系统
- 防火柜系统
- 喷水系统
- 细水雾系统
- 泡沫灭火系统
- 便携式灭火器放置
- 检测报警系统
- 清洁气体自动灭火系统
- •二氧化碳气体自动灭火系统
- •干/液体化学自动灭火系统
- 应急照明和引导系统

液压系统使用专用软件。除了水状、泡沫状、清洁气体、化学品、细水雾、二氧化碳气体灭火系统外,还进行被动防火系统的合格评定。为处理危险品的设施、沿海设施和必须准备危险材料指南的设施提供认证服务。

除了对新安装的消防系统进行合格评定活动外,还对现有系统进行尽职调查活动,并对运行中的系统进行定期检查。

认证目标领域

- 设计和安装消防系统的公司
- 保险公司
- 工业设施
- 口岸
- 造船厂
- 住宅、酒店、商场等高层建筑
- 运动设施

认证优势

- 确保生命/财产和设施的安全
- •安全操作
- 降低保险成本



Certification of Fire Protection Systems

Conformity assessment of fire protection systems is one of the activities that has come into prominence in industrial and domestic buildings day by day. The conformity assessment of fire extinguishing systems is performed according to the related EN, NFPA standards. The certification process starts with the design, hydraulic calculation inspection, and approval; assembly controls, testing, and performance assessment. If the system is found acceptable, a "Certificate of Approval" is issued. The main systems assessed in the field of fire protection are summarized below:

- Sprinkler Systems
- Fire Water Tank
- Fire Pump Station
- Fire Hydrant System
- Fire Cabinet System
- Water Spray Systems
- Water Mist Systems
- Foam Extinguishing Systems
- Portable Fire Extinguisher Placement
- Detection Alarm Systems
- Clean Gas Automatic Extinguishing Systems
- CO₂ Gas Automatic Extinguishing Systems
- Dry/Liquid Chemical Automatic Extinguishing Systems
- Emergency Lighting and Guidance Systems

Special software is used for hydraulic calculations. As well as water, foam, clean gas, chemical, water mist, CO2 gas fire extinguishing systems, the conformity assessment of passive fire protection systems is also conducted. Certification services are rendered for facilities that handle dangerous goods, coastal facilities, and facilities that are obliged to prepare a hazardous material guide.

In addition to conformity assessment activities of newly installed fire protection systems, the fact-finding activities of existing systems and periodic inspections of systems operated are conducted.

Target Area of Certification

- Companies that design and install fire protection systems
- Insurance companies
- Industrial facilities
- Ports
- Shipyards
- Residences, hotels, shopping malls, and other high-rise buildings
- Sports facilities

Advantages of Certification

- Ensuring the safety of life/property and facility
- Safe operation
- Reducing insurance costs

焊接制造资质认证

焊接;对成本和产品质量有重大影响。ISO 3834 是一个质量管理体系,为执行焊接制造的组织准备并确定适当的质量条件。EN 15085、EN 1090 等标准要求执行 ISO 3834 标准的要求。

铁路车辆及零部件;进行生产、修理和修订的组织拥有EN 15085-2证书的事实表明焊接制造符合国际标准要求。

AD 2000 Merkblatt 压力设备设计和生产范围内的标准;本标准用于技术文件的评价、人员能力的控制和材料的审批等目的。

认证目标领域

- 在ISO 3834、AD 2000 Merkblatt HP0/W0、工作场所能力认证范围内制造从压力容器到工业厂房、从起重机到机械的工业产品的组织。
- 在EN 15085-2 认证范围内生产、修理和修改 铁路车辆和零件的组织。

提供的服务

根据 ISO 3834、AD 2000 Merkblatt HPO/WO、EN 15085-2 和产品标准提供认证服务。



Fabrication by Welding Competency Certification

Welding has a significant impact on cost and product quality. ISO 3834 is a quality management system that has been prepared for organizations engaging in welded manufacturing and sets appropriate quality requirements. The standards such as EN 15085, EN 1090, etc. require the implementation of ISO 3834 standard requirements.

The fact that the organizations dealing with the production, repair, and modification of railway vehicles and parts are certified with EN 15085-2 demonstrate that the welded manufacturing meets the international standard requirements.

AD 2000 Merkblatt is a standard within the scope of design and production of pressure equipment; this standard serves purposes such as the evaluation of technical documents, the control of the personnel competency, and the approval of the materials.

Target Area of Certification

- Organizations that manufacture industrial products varying from pressure vessels to industrial facilities and from cranes to machinery within the scope of ISO 3834, AD 2000 Merkblatt HP0/W0, Workplace Competence Certification.
- Organizations that produce, repair, and modify railway vehicles and parts within the scope of EN 150852 Certification.

Services Offered

Certification services are rendered according to ISO 3834, AD 2000 Merkblatt HP0/W0, EN I5085-2, and product standards.



人员认证

从事焊接制造工作的焊工和焊接操作工按照相关标准进行测试,对试件的无损和/或破坏性测试结果进行评估,然后对候选人进行认证。

相关标准:

- •根据 EN ISO 9606-1 标准对钢焊工进行认证
- 根据 EN ISO 9606-2 标准对焊接铝的焊工进行认证
- 根据 EN ISO 14732 标准对焊接操作员和电阻焊工进行金属材料全机械化和自动熔焊的认证
- 根据 API 1104 标准对管道焊工进行认证
- ·根据 EN 13067 标准对塑料焊接人员进行认证
- ·根据 AWS D 1.1 标准对钢结构焊工进行认证
- 根据 AWS D 1.5 标准对钢桥焊工进行认证
- 根据 EN ISO 15618-1 标准对在高压水下进行湿焊的潜水焊工进行认证
- 根据 AWS D 3.6 标准, 潜水焊工的水下焊接 B、C、O 级认证, 不包括 A 级干焊
- 根据 ASME 第 IX 部分标准对锅炉和压力容器焊工进行认证

认证目标领域

• 所有雇用焊接人员或焊接操作员的组织

提供的服务

提供在焊接制造中工作的焊工和焊接操作员的认证,包括水下焊工。

Personnel Certification

The services are rendered for holding exams for the welders and welding operators, who will work in welded manufacturing, according to the related standards, evaluating the test pieces' non-destructive and/or destructive test results, and then, certifying the candidates.

Target Area of Certification

All organizations employing welding personnel or welding operators

Services Offered

The service is rendered for the certification of welders and welding operators working in the field of welded manufacturing, including underwater welders.

Related standards are as follows:

- Certification of steel welders according to the EN ISO 9606-1 standard
- Certification of welders who deal with aluminum welding according to EN ISO 9606-2 standard
- Certification of welding operators and resistance welders for fully mechanized and automatic fusion welding of metallic materials according to EN ISO 14732 Standard
- Certification of pipeline welders according to API 1104 Standard
- Certification of plastic welding personnel according to EN 13067 Standard
- Certification of steel structure welders according to AWS D 1.1 Standard
- Certification of steel bridge welders according to the AWS D 1.5 Standard
- Certification of diver-welders performing wet welding under high pressure underwater according to EN ISO I5618-I Standard
- Certification of diver-welders performing underwater welding class B, C, O, excluding class A dry welding according to AWS D 3.6 Standard
- Certification of boiler and pressure vessel welders according to ASME Section IX Standard



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