



inspect_{lab}

Company Presentation



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InspectLab SA

Corso San Gottardo, 32 - 6830 Chiasso - CH
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Company



InspectLAB is a company based on the experience of a team of quality technicians working in strategic areas where are based the most important producers of turbines, pumps, pressure vessels, compressors, electric motors, heat exchangers, pipes, valves, fittings.

With its qualified staff, InspectLAB covers all European countries and, with its partners, it has been created a worldwide inspectors' network.

The company is focused to provide a high level of quality services in compliance with timing and management of issues related to the projects. A quality control system of its staff is available in order to keep their standards always at the top level. The InspectLAB staff, during its job experience, has contributed to the construction, commissioning and follow up, in the quality field, of several industrial plants everywhere in the World. InspectLAB is a reliable partner to build industrial plants more efficient and safe, with guarantee of high quality job. The Company core business for is the supply of services such as inspection, expediting and technical advice in Oil & Gas and Power Generation fields, using a network of technical engineers with huge experience reached with longtime collaboration with engineering companies, major contractors, international industries.



Flexibility and efficiency of InspectLAB technicians, together with their technical knowledge is a must for testing, inspection and product certification activities.

A dynamic and capillary structure makes possible the on demand availability in order of 24 hours with high quality and detailed reports.

InspectLAB has partnership with leading engineering companies and certification bodies operating worldwide.

With these important partnerships InspectLAB is available to cover the wide range of industry certifications in mechanical, electrical and quality system fields.



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Quality Services



InspectLAB is focused to provide to every client a high level of quality services, compliance with timing and management of issues related to the project.

Our company can refer to the experience of a very high quality team that can provide a lot of activities, like:

- ✓ **Certification Consultancy** with the most important Accreditation Bodies: our qualified team will bring to your company to all the certifications you need for every type of sector.
- ✓ **Vendor Qualification**: create and manage your vendor list, with on field evaluation and analysis of your suppliers.
- ✓ **Quality Systems and Process Audit**: create the best quality system for your company, issuing procedures, operative instructions and official qualified forms.
- ✓ **Process Analysis**: analyze every internal process of your company like production, administration and commercial department in order to create an high value and a best visibility for your company
- ✓ **Quality Control and Quality Assurance**: control the quality of your company with efficient method, in order to have an organized and efficient working environment.
- ✓ **Document Review**: check all the documents for every kind of sector, from Material to Quality Documentation. We also provide you the digitization of all documentation, in order to reduce the amount of paper in your offices and speed up the search for the same (time-saving).
- ✓ **Customer Orientation**: our mission is to meet the requirements of your customer thanks to our experience and professionalism, in order to have as its first objective the customer's satisfaction.
- ✓ **Pre Shipment Inspection**: inspection of newly produced products before being shipped for export/import. The purpose is to check the quantity and quality of the goods, check the products for any defects and ensure that the products meet the safety requirements of the target market.
- ✓ **Training Courses**: organization of customized training courses by sector with the possibility to carry it out within the company.
- ✓ **Industry 4.0**: certify companies according to Industry 4.0 regulations in order to receive tax benefits provided by the relative state.
- ✓ **Information Technology**



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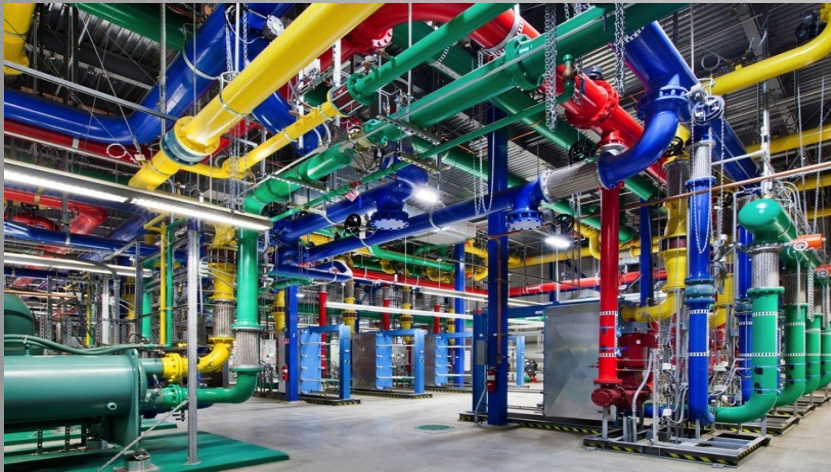
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Industrial Services



The activities that **InspectLAB** technical experts perform:

- Testing & Inspection
- Expediting
- Non-Destructive Testing
- Check on Painting systems, Coatings, Corrosion
- Welding Qualifications
- Material Qualifications
- Stress Analysis
- Preservation, Packing, Marking check and
- Project Documentation Review
- Coordination and Project Management
- Quality Systems and Process Audit
- Quality Assurance / Quality Control



InspectLAB mainly performs activities on the following Industrial products:

- ❖ Valves
- ❖ Electric and Pneumatic Actuators
- ❖ Pipes and Fittings
- ❖ Pumps
- ❖ Turbine
- ❖ Compressors
- ❖ Furnaces
- ❖ Heat Exchangers
- ❖ Pressure Vessels
- ❖ Instrumentation
- ❖ Forged Materials
- ❖ Welded Materials
- ❖ Refractory Materials
- ❖ Foundry Materials
- ❖ Control Panels (Electrical Systems)
- ❖ Motors and Inverters (Electrical Systems)
- ❖ Transformers (Electrical Systems)

InspectLAB offers testing activities and quality review on plants and/or supplies in order to guarantee the quality of the finished product as requested by Client.

InspectLAB has partnership with companies operating in the following fields:

- ✓ Industrial Construction Engineering
- ✓ Oil & Gas
- ✓ Power Generation
- ✓ Green Power
- ✓ Water Treatment

**ISO 9001:2015
Certified Company**



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InspectLAB has a team of several technicians, mechanical, electrical and quality management systems experts with many years of experience in the industrial field and qualified/approved according to the most important international standards, such as:

- ✓ ISO 9001 – ISO 19011 – ISO 14001 – ISO 45001
- ✓ Non-Destructive Examination (NDE) qualification as 2nd level inspector according to EN 473 / ISO 9712 and SNT-TC-1A codes for PT-MT-VT-UT-RT-LT methods
- ✓ UNI EN 10204 -TA-Luft – Fire Safe – ISO 15848
- ✓ PED 2014/68/UE Directive
- ✓ ATEX-Directive 94/9/EC
- ✓ Machinery directive 2006/42-EC/
- ✓ ASME Standards
- ✓ Welding inspection and certification
- ✓ Vendor and sub-vendor qualification (according ISO 19011)
- ✓ Approved Inspector under Italian-German-Indian Accreditation
- ✓ Experts: Metallurgy of Steel and Mechanical Properties of Metallic Materials
- ✓ Aramco Standards
- ✓ IBR – Indian Boiler Regulation
- ✓ Industry 4.0



InspectLAB provides services using qualified experts in the following Standard:

- | | | | |
|--------|---|----------------|---------------|
| • API | • Pressure Equipment Directive PED 2014/68/UE | • UNI EN 10204 | • ISO 10816-1 |
| • ASME | • ATEX Directive 2014/34/UE / EN 60079-14 | • ISO 9712 | • ISO 19011 |
| • DIN | • Machinery Directive 2006/42-EC/ | • ISO 17020 | • ISO 9001 |
| • ASTM | • TA-Luft ISO 15848 / UNI EN 10204 | • ISO 19840 | • ISO 14001 |
| • ANSI | • Welding Standards | • ARAMCO | • ISO 45001 |

Quality, Environment & Safety



Quality Systems Management is a focus of the company who provide services:

- **Certification** – Audit with the accreditation body in order to obtain the ISO certificate
- **Consultancy** – Creation of quality documents (quality manual, procedures and forms) necessary to the certification

about the following standards:

- **ISO 9001** – the international standard that specifies requirements for a quality management system (QMS). Organizations use the standard to demonstrate the ability to consistently provide products and services that meet customer and regulatory requirements.
- **ISO 14001** – standard that sets out the requirements for an environmental management system. It helps organizations improve their environmental performance through more efficient use of resources and reduction of waste, gaining a competitive advantage and the trust of stakeholders.
- **ISO 45001** – specified requirements for an occupational health and safety (OH&S) management system, and gives guidance for its use, to enable organizations to provide safe and healthy workplaces by preventing work-related injury and ill health, as well as by proactively improving its OH&S performance.

*** Quality Standard are updated by the last revision available.



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Industry Certifications



Chemical, oil & gas



Services for investors, operators and equipment manufacturers of upstream, midstream and downstream installations include:

- Quality assurance and control
- Periodic inspection
- Owners' engineer
- Acceptance checks and tests
- Material testing
- Auditing
- System certification
- Training

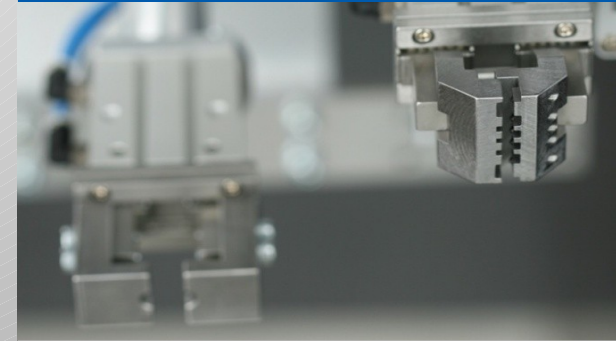
Power & energy



Services for investors, owners, operators and equipment manufacturers of conventional, nuclear and renewable energy plants include:

- Due diligence
- Design reviews
- Risk management
- Owners' engineer
- Construction monitoring
- Material testing
- Periodic inspection
- Regulatory compliance assessment
- System certification
- Training

Manufacturing & industrial machinery



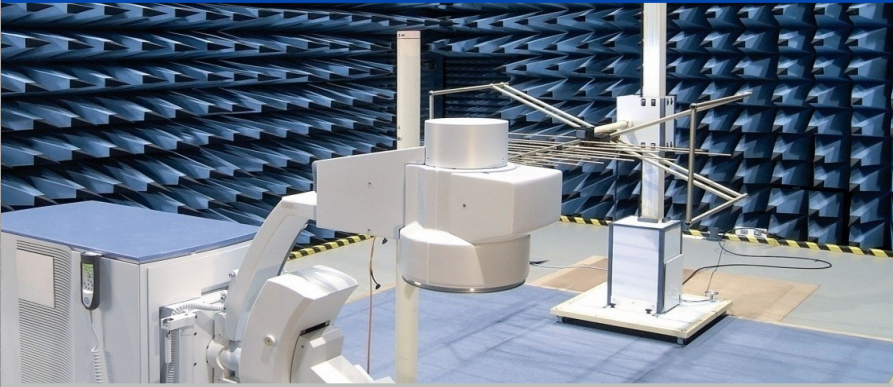
Services for components manufacturers, contractors, installation providers, equipment & material manufacturers and operators include:

- Component testing
- Periodic inspection of equipment
- Failure analysis
- System certification
- Training

Labs & Product Certification



Laboratories



- Electrical and mechanical safety
- Electromagnetic compatibility (EMC)
- Quality, fit for use and specific tests on customer's request
- Environmental tests (vibration, stress, noise), fragility and transportability, pre and post shipment inspections and accelerate life tests
- Pre-post shipment inspections
- Climatic testing
- Manuals checks and technical documentation for the CE mark
- Acoustic testing and performances evaluation

Product certification

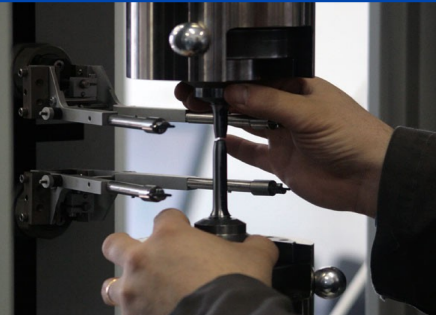


- Non electric products
- Electric/electronic products
- Large, medium and small machinery
- Children products (toys, childcare, playgrounds)
- Logistics, packaging design, packaging certification and testing
- GDO-retailers (production control, pre and post shipment inspection, product qualification)
- Textiles (fibers and yarns, fabrics, clothing, leather goods, shoes, accessories)

Labs & on Field Testing

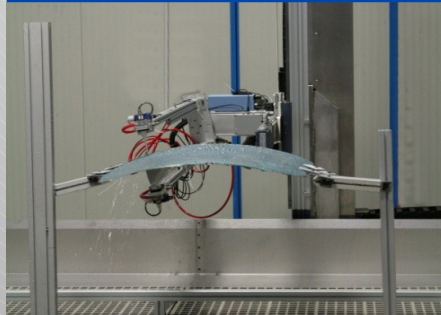


Non destructive testing



- Ultrasonic testing
- Eddy Current testing
- X-Ray and gamma ray testing
- Liquid Penetrant testing
- Magnetic Particles testing
- Nital Etch
- Positive Material Identification
- Thermography
- Visual Examination
- Metallographic replicas
- On field hardness testing

NDT systems and automation



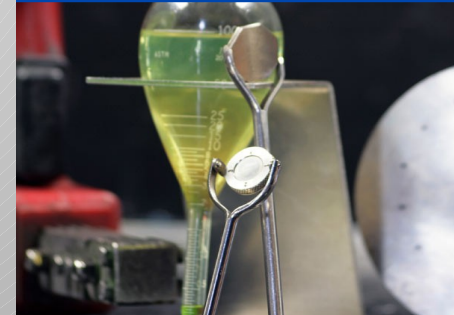
- Project work
- Construction
- Sales and technical support

Surveillance & Welding Process Inspection



- Supervising Non Destructive testing
- Dimensional and visual check
- welders and welding process qualification
- Supervising for manufacturers and laboratories; mechanical, hydraulic and functional testing
- Check on contractual and technical documentation, basing on specific procedures
- Expediting
- PED and TPED activities
- Quality and training activities

Laboratory testing



- **Testing**
 - Metallographic testing
 - Chemical analysis
 - Mechanical testing
- **Failure analysis**
Analyse the cracks, tests objective is to determine the causes that led to the structural and mechanical components to break.

Solutions for a Green Future



Energy efficiency



Services for manufacturers, planners, owners and operators of buildings, products and equipment, production plants, power plants, municipalities and regions include:

- Energy audits
- Energy optimisation
- Energy efficiency certification
- Testing
- Product certification
- Compliance evaluation
- System certification
- Training

Renewable energy



Services for investors, manufacturers and operators of biomass, geothermal, hydropower, photovoltaic, solar thermal and wind components and plants include:

- Feasibility & bankability assessments
- Construction monitoring
- Safety and licensing support services
- Equipment and component testing and certification
- Periodic inspection
- Training

e-Mobility



Services for authorities, suppliers and OEMs of electric vehicle and components, charging infrastructure and battery include:

- Testing
- Training
- Range evaluation
- Technical support
- Site selection advisory
- Certification
- Homologation
- System certification
- Training

Corporate social responsibility (CSR)



- Carbon footprint certification
- Verification, validation and certification of climate change projects
- System certification
- Social compliance audits
- System certification
- Training

Training & Info Technology



InspectLAB offers customized training activities in order to guarantee the quality of their customer staff.

The service offered changes according to the customer's requests, training also on customer site.

Information Technology

is a focus of the company who provide services:

- › Domain registration
- › Hosting & Email
- › Dedicated Server Rental
- › Dedicated Server Management
- › Creation of corporate websites
- › E-commerce realization
- › SEO positioning
- › Marketing and ADV
- › Training on demand
- › Development of integrations between websites and company management
- › Development of integrations between websites and logistics services





WITH QUALIFIED STAFF,
INSPECTLAB HAS A WORLDWIDE
INSPECTOR'S NETWORK

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