



# INSPECTION AND AUDIT

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STRENGTHEN BUSINESS RELATIONSHIPS AND  
INCREASE THE INTERNATIONAL TRADE  
CAPABILITIES OF MANUFACTURERS AND  
TRADERS.



# ABOUT US

Global certification, inspection, measurement, and training company

Experts at:

- Creating trusting relationships between traders and manufacturers
- Helping traders and manufacturers overcome trade barriers
- Driving sustainability and productivity

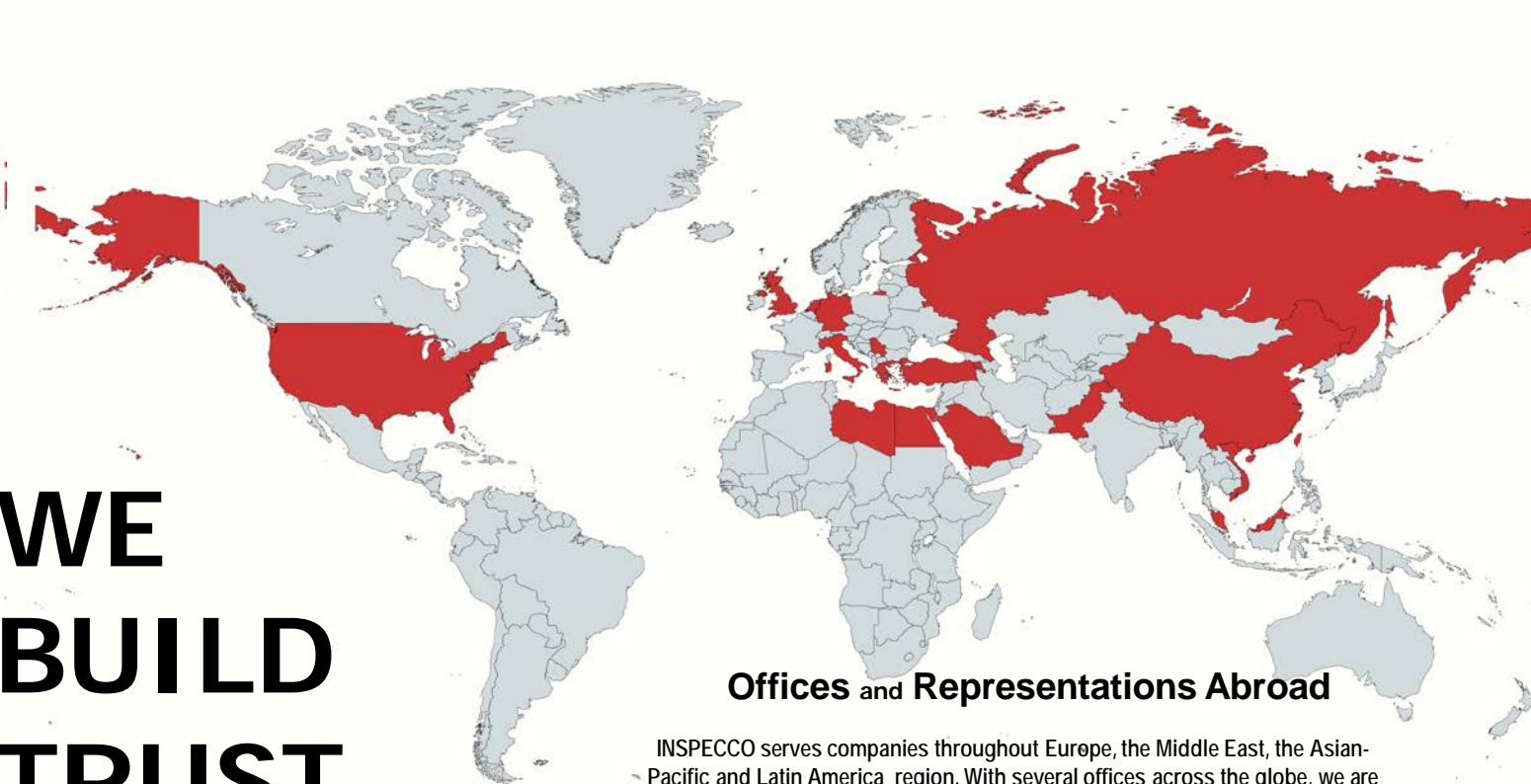
Global network of experts, including:

- Scientists, engineers, chemists, auditors, and inspectors



# Where we are

**WE  
BUILD  
TRUST**



## Offices and Representations Abroad

INSPECCO serves companies throughout Europe, the Middle East, the Asian-Pacific and Latin America region. With several offices across the globe, we are positioned to provide the timely feedback of the inspections in your products.

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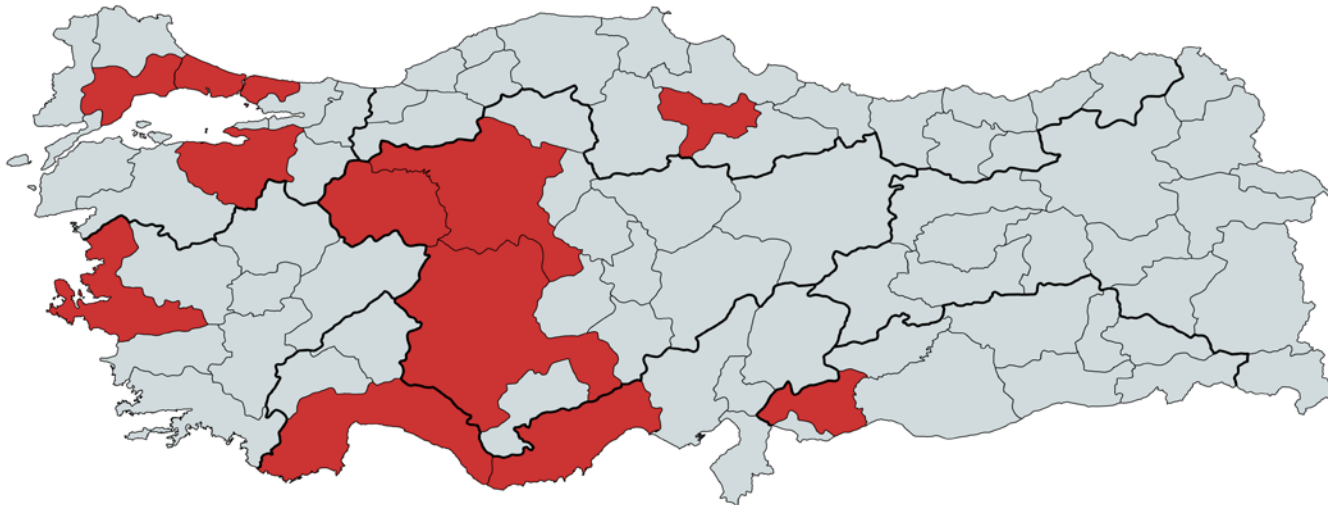
- |                  |              |
|------------------|--------------|
| *  Germany       | *  Turkey    |
| *  United States | England      |
| Azerbaijan       | Russia       |
| Netherlands      | Italy        |
| Greece           | Beograd      |
| *  China         | Taiwan       |
| *  Hong Kong     | *  Vietnam   |
| Malaysia         | Pakistan     |
| Egypt            | Saudi Arabia |
| Libya            |              |

\* Inspecco company.

**N** Inspecco



# Where in Turkey



- İstanbul
- Ankara
- Antalya
- Bursa
- Tekirdağ
- Eskişehir
- Konya
- Mersin
- Gaziantep
- Amasya
- İzmir

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**Inspecco**

# Our Notifications



Operating as a Product Certification Body; [Click](#) for our Accreditation scope according to TS EN ISO / IEC 17065: 2012 Standard.



As A type inspection body, we provide inspection, control, surveillance and product certification services. [Click](#) for our TS EN ISO / IEC 17020 A Type Inspection Body Accreditation scope.



We receive letter of credit according to D, D1, E, E1, H, H1 modules within the scope of the Pressure Equipment Directive. 97/23 / EC Pressure Equipment Directive Annex-III D, D1, E, E1, H, H1 Modules Certification [Click](#) here for our accreditation scope. We are in the scope of the Elevator Directive Annex-XIII, XIV and XII. [Click](#) for our accredited scope. We receive letter of credit within the scope of the Gas Appliances Directive Annex-II.3 and Annex-II, 4. [Click](#) for our accredited scope.



We certify that your company meets the requirements of the ISO 9001: 2015 standard. [Click](#) for our TS EN ISO / IEC 17021 Quality Management System Accreditation scope.



We serve as a Personnel Certification Body. [Click](#) for our accreditation scope TS EN ISO / IEC 17024 Personnel Certification Body



We certify that your company meets the requirements of ISO 9001: 2015 & ISO 14001: 2015 & ISO 22000: 2005 & ISO 45001: 2018 Standards. [Click](#) here for our TS EN ISO / IEC 17021 Quality Management System, Environmental Management System, Food Management Safety Management Systems Accreditation scope.



REPUBLIC OF TURKEY  
MINISTRY OF TRADE

Republic of Turkey Ministry of Trade  
Product Safety and Inspection We are  
authorized by the General Directorate;  
[Click](#) to access our International  
Inspection Company certificate.



INSPECCO, the European Union and the Republic of Turkey with the identification number 2459 Science, Technology and Industry Ministry authorized Notified Bodies / Notified Body carries out its activities. [Click](#) to reach our scope.

# SCOPE OF SERVICES

## ■ CERTIFICATION:

- Product Certification
- System Certification
- Personnel Certification

## ■ INSPECTION:

- For Buyers & Traders
- For Product Owners
- For Contractors
- For Producers
- For Insurance Companies



## ■ TRAINING:

- Internal Auditor Training
- Lead Auditor Training
- HACCP System Training
- Total Quality Management Training
- Industrial Inspector Trainings

## ■ TESTING:

- Work Safety Testing
- Energy Efficiency Testing
- Electrical Safety Testing
- DT & NDT Testing

# CUSTOMER BASES OF INSPECTION SERVICES

**For Buyers & Traders**

**For Site and Plant Owners**

**For Contractors**

**For Producers**

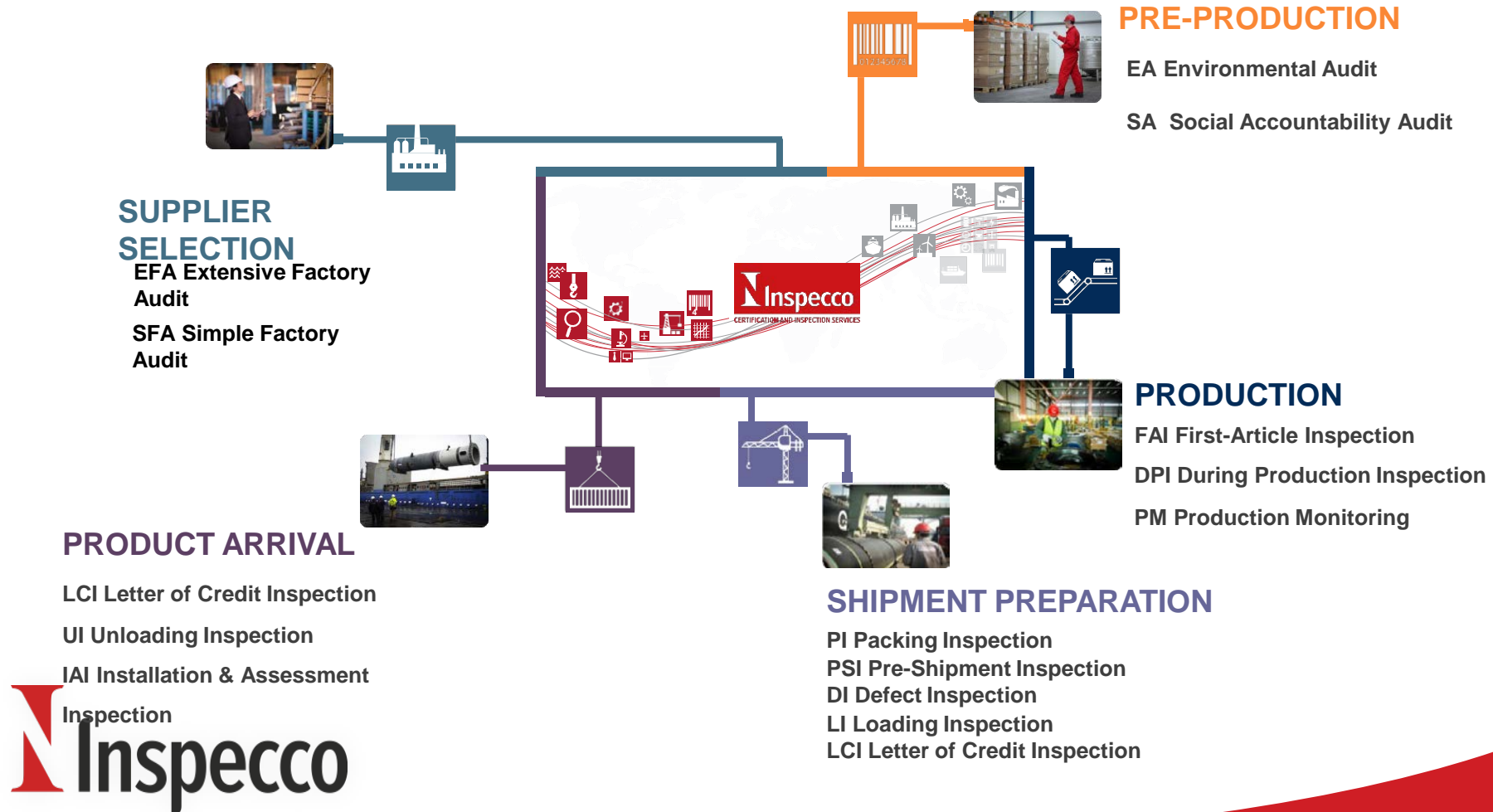
**For Investors**

**For Insurance Companies**





# INSPECTION SERVICE OVERVIEW





# PRODUCTS WE INSPECT



## INDUSTRIALS

- DT & NDT
- Material
- Machinery ( Casting – Machining)  
Lifting Equipments ( Crane )
- Oil, Gas & Petrochemicals
- Renewable Energy
- Power Generation and  
distribution



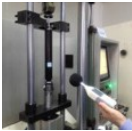
## SOFTLINES

- Textile
- Apparel & Garments
- Fashion Accessories
- Soft toys
- Fabric & Yarn
- Shoes & Footwear
- Leather Products
- Rubber & Latex



## HARDLINES

- Home wares
- Handicrafts
- Building materials
- Gifts & Premiums
- Toys & Games
- Hygiene & Body care



## AUTOMOTIVES

- Metallic parts
- Plastic parts
- Rubber parts and tires
- Pumps
- Sealing systems
- Moulds



## ELECTRONICS

- Consumer electronics
- Domestic appliances
- Kitchen wares
- Test equipment
- Toys
- IT & Telecommunication
- Audio & Video

These are the  
most  
common types of  
products inspected.  
INSPECCO services cover  
a wide range, depending  
on  
market needs.

**INSPECCO**

# CHECKING CRITERIA

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- Accessories
- Assembly
- Assortment
- Size
- Dimension
- Color
- Container inspection
- Quantity status
- Safety
- Shipping marks
- Measurements
- Weight
- Workmanship
- Factory view
- Logo
- Material
- Packing
- Marking
- Performance and FAT
- QA & QC
- Appearance
- Raw material inspection
- DT & NDT inspection
- Ready Weight Load Test
- Hydrostatic test inspection
- Mechanical and Chem. Analysis
- Painting inspection
- Documents review and approve



# PRODUCT CERTIFICATION ( CE MARKING)

**INSPECCO is a Nando Notified Body (Number 2459) for CE marking services under the following directives (no location restrictions):**

- **2004/68/EC - Pressure Equipment Directive**
- **2006/42/EC - Machinery Directive**
- **2016/426/EC - Appliances Burning Gaseous Fuels Directive**
- **2014 /33 /EC - Lifts Directive**
- **2014/29/EU Simple pressure vessels**
- **305/2011/EU Construction Production Regulation (CPR)**



# NOTIFICATIONS FOR TURKEY

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## TYPE-INDEPENDENT 3RD-PARTY ORGANIZATION NOTIFICATIONS FROM:

- TURKISH TRADE MINISTRY



- A- TYPE GLOBAL INSPECTION AUTHORITY



# Services for SASO



الهيئة السعودية للمواصفات والمقاييس والجودة  
Saudi Standards, Metrology and Quality Org.

**We provide product test services for SASO**

**Issue by CoC on behalf of TSE.**

**We carry out SLS record process and  
taking energy label and certificate for  
products**

# SYSTEM CERTIFICATION

INSPECCO certifies systems of companies under the following:

- **ISO 9001** – Quality Management System
- **ISO 14001** – Environmental Management System
- **ISO 45000**– Occupational Health and Safety Management System
- **ISO 22000** – Food Safety Management System
- **ISO 50001** – Energy Management System
- **GMP** – Good Manufacturing Practice
- **IMS** – Integrated Management System
- **ISO 3834-2** – Quality Requirements for Fusion Welding of Metallic Materials
- **EN 1090-2** – Welded Construction Material Certification (CE)
- **EN 15085-1** – Welded Construction for Railway Applications
- **AD MERKBLATT HPO –W0** Certification competency of Pressure equipments



International  
Accreditation  
Forum

# PERSONNEL CERTIFICATION

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## WELDER CERTIFICATION:

INSPECCO has made all over the World for Welder Certification is performed according to ***ASME Section IX, AWS-D 1.1, EN 287-1, API 1104, AWS D 1.5, ISO 9606, ISO 1418.***

Internationally-accepted welder qualification certificates are issued according to the rules of the notified state organization authorized to issue European Identifications and Certificates for all welding personnel





# INSPECTION - FOR PLANT OWNERS

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For product owners, INSPECCO offers several periodic control inspections that enable the owners to operate the products in a legal, functional and safe way:

- **Periodic Control of Lifting Equipment** -- Including: Forklifts, Chain hoists, Cranes, Platforms, Vehicle Lifts, and Pallets
- **Periodic Control of Pressure Equipment** -- Including: Compressors, Air Tanks, Road Tanker Tanks, and Flammable / Hazardous Substances Storage Tanks, etc.
- **Periodic Control of Elevators** -- Including: Electric Elevators and Hydraulic Elevators
- **Periodic Control of Boilers**



# INSPECTION - FOR PLANT OWNERS

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## ELECTRICAL AND AUTOMATION & SCADA SERVICES:

The production controls and reporting of the Electrical and Automation & SCADA material items and In-Service of Electrical Panels according to the standards

These services are offered for the following:

- *Generators*
- *Switchgears*
- *Electrical Panels*
- *Automation Panels*
- *Cables*
- *In-Service Equipment (with Testing)*



# INSPECTIONS - FOR PLANT OWNERS

## TANK INSPECTION AND CALIBRATION SERVICES:

- Making the capacity table, according to **API 650 –API 653** standards
- Preparation of the calibration schedules
- Performing the related technical measurements (manually and optically) of the storage tanks of petroleum products
- Inspections can be done on both new and in-service tanks according to ITP



# INSPECTIONS - FOR CONTRACTORS

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## WELDING INSPECTIONS:

- Post-process Welding Inspections:
  - Inspection for defects in welded pieces via NDT
- Full Welding Inspection (with WPS/WPQR Approval/Preparation):
  - Viewing welding processes
  - Inspection for defects in welded pieces via **NDT**
  - Optional post-inspection services include the preparation or approval of WPS and WPQR documents according to **EN 15609, EN 15614 , ASME Section IX, AWS-D 1.1, and API 1104**



# INSPECTIONS - FOR CONTRACTORS

## COATING AND PAINTING INSPECTION:

Paints & coatings could perform differently depending on how they are used and under what precise conditions. And there are such a wide range available that it makes sense to hand over the testing and inspection of them to a team of highly qualified experts who are experienced in all manner of industries.

At INPECCO , we have the necessary knowledge to provide you with all the quality checks you need with qualified inspectors from SSPC



# INSPECTION - FOR CONTRACTORS

## THE THIRD-PARTY SERVICES:

Provides production and installation of the product manufactured on behalf of the customer at the manufacturer's factory and/or at the assembly area in accordance with the project, including fast and safe reporting and perceiving and resolving possible problems about the products (i.e. ***steel structures, power plants, lifting equipment, pressure equipment***, etc.)

Provides production and implementation controls of all types of ***lifting equipment, steel structures, water platforms, fuel storage tanks***, and ***power plants*** in accordance to their projects, including making the necessary tests and reporting and certificating services.



# INSPECTIONS - FOR CONTRACTORS

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## PROJECT EXPIDITING (cont'd):

As each industrial facility has specific features. Their quality inspection should be done on a unique approach from other productions.

INSPECCO has carried out projects within the scope of 3 party-independent inspection activities, regarding project evaluations, safety grading, quality control during construction, expert opinion and analysis, performance of measurement and tests in terms of technical parameters of many industrial plants.

Common ground of these activities is to ensure the intended quality. This can be achieved primarily by thorough inspections and measurements for quality improvement.

Not only the measurement of sizes and technical parameters, but the safety and design of the plant is also evaluated.





# INSPECTIONS - FOR CONTRACTORS

## PROJECT EXPIDITING (cont'd):

- A high quality product is the result of the cooperation of manufacturer, customer, and an independent inspection company.
- These services include:
  - ***Control of Design Calculations***
  - ***ITP Plan Preparations***
  - ***Material Control***
  - ***Site Control***
  - ***Production Control***
  - ***Supervision of Performance Tests (Load Test, Hydrostatic Test, etc.)***
  - ***Supervision to Start-up Tests***
  - ***Control of Quality Files***
  - ***Factory Acceptance Test ( FAT )***



# INSPECTIONS - FOR CONTRACTORS

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## PROJECT EXPIDITING (cont'd):

These services are carried out for the following:

- *Steel constructions*
  - *Airports*
  - *Harbors*
  - *Cranes*
  - *Railroad and stations*
  - *Chemical plants*
  - *Crude oil plants*
  - *Water treatment plants*
  - *Nuclear power plants*
  - *Coal-Fired Power Plants*
  - *Gas Stations*
  - *Gas – Steam Turbines*
- *Wind Power Plants*
- *Fire Fighting and Protection Systems*
- *Hydraulics*
- *Pressure Vessels*
- *Valves and Fittings*
- *Pipes*
- *Bridges*
- *HVAC*
- *Cylindrical and Spherical Tanks (Atmospheric and Pressurized )*
- *Cables*
- *Transformers*
- *Switchgears*

# INSPECTION - FOR BANK & INSURANCE COMPANIES

## INSURANCE MONITORING SERVICES:

Insurance companies and Banks are trust the monitoring reports of independent bodies in insurance payments. INSPECCO gives independent monitoring service to the bank and insurance companies.

These services are offered for the following:

- ***Power plants***
- ***Industrial plants and Factories***
- ***New sites***
- ***Tank farms***
- ***Fuel/gas stations***
- ***Fire Protection Systems***



# TRAININGS

## INSPECCO OFFERS THE FOLLOWING TRAINING COURSES:

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- ISO 9001 (Quality Management System) General Training
- ISO 9001 (Quality Management System) Internal Auditor Training
- ISO 9001 (Quality Management System) Head Auditor Training
- ISO 14001 (Environmental Management System) General Training
- ISO 14001 (Environmental Management System) Internal Auditor Training
- ISO 14001 (Environmental Management System) Head Auditor Training
- OHSAS 18001 (Occupational Health and Safety) General Training
- OHSAS 18001 (Occupational Health and Safety) Internal Auditor Training
- ISO 22000 (Food Safety Management System) General Training
- ISO 22000 (Food Safety Management System) Internal Auditor Training
- ISO 22000 (Food Safety Management System) Head Auditor Training
- BRC Global Standard for Food Safety Training
- ISO 3834-2 (Quality Requirements for Fusion Welding of Metallic Materials -- Part 2: Comprehensive Quality Requirements) Training
- Management System Documentation Training
- ISO/IEC 17025 (General Requirements for the Competence of Testing and Calibration Laboratories) Training
- Hazard Analysis and Critical Control Point (HACCP) System Training
- General Hygiene Rules in Food Establishments
- Good Manufacturing Practices (GMP) Training
- Food Legislation Training
- Environmental Legislation Training
- Work Health and Safety Training
- Working at Heights Training
- Fire Safety Training
- Risk Analysis at Establishments and Facilities Training
- Welder Training
- ISO 14731 (EN 719) Welder Coordination Training
- NDT Special Training (according to API and ASME standards)
- Basic Inspector Training
- NACE-Paint Inspector Training
- CE Marking Training
- Total Quality Management Training
- Total Productive Maintenance Training
- Just-in-Time Manufacturing Training
- Lean Management Training
- Quality Costs Training
- Failure Modes and Effects Analysis (FMEA) Training
- Statistical Process Control Training (IPK-SPC)
- Group Work and Problem Solving Techniques Training
- Research and Report of Occupational Accidents Training
- Process Management Training

# TESTING

## OVERVIEW OF SERVICE SCOPE:

- Non Destructive Testing (NDT)
- Work Safety Testing
- Electrical Safety Testing



*Laboratory testing*



*NDT Testing for pipeline inspection (on-site)*

# TESTING

## **NON DESTRUCTIVE TESTING (NDT):**

We offer the following NDT testing services to identify and inspect the internal defects and corrosion of the materials:

- ***Radiographic testing (RT)***
- ***Ultrasound testing (UT)***
- ***Liquid penetrant inspection (PI)***
- ***Magnetic Particle Inspection (MPI)***
- ***Hi –advanced NDT ( TOFD – Phase Array )***
- ***Eddy Current Service for Tubes***
- ***PWHT***



# TESTING

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## ***SAFETY TESTING:***

Safety testing of in-service equipment, including:

- Heavy load testing (for lifting equipment, etc.)
- Hydrostatic testing (for pressure vessels)

Measurements subject to work safety legislation are carried out on site

## ***ELECTRICAL SAFETY TESTING:***

Measurements subject to electrical safety legislation are carried out in INSPECCO's laboratories and on site.

For detailed information about our laboratories please visit [www.testmer.com.tr](http://www.testmer.com.tr)



# REFERENCE – CE MARKING & EN 1090



**INSPECCO**

ETIKROM – Heat Recovery inspected by INSPECCO

# REFERENCE – SITE INSPECTION



**N** Inspecco

Power plant in Baghdad, Iraq, inspected by INSPECCO

# REFERENCE– PIPELINE CONSTRUCTION INSPECTION



TPAO -Pipeline construction inspection Turkey



# REFERENCE – PIPE INSPECTION



**N**Inspecco

*Ductile Pipe inspection in Iraq*

# CASE STUDY – PIPE INSPECTION



AZAR FIELD PIPE LINE –IRAN / PIPE PRODUCTION –LOADING –LASHING INSPECTION

# REFERENCE– PIPE INSPECTION



TANAP PIPE LINE – / PIPE PRODUCTION –LOADING –LASHING INSPECTION

**N** Inspecco



# REFERANCE -BRIDGE STEEL INSPECTION



BUNA SWING BRIDGE –ALBANIA / STEEL CONSTRUCTION INSPECTION -2011



# REFERENCE- BRIDGE STEEL INSPECTION



NISSIBI BRIDGE –ADIYAMAN / KAHTA / STEEL CONSTRUCTION INSPECTION -2014



# REFERENCE- BRIDGE STEEL INSPECTION



KÖMÜRHAN BRIDGE – ELAZIĞ / STEEL CONSTRUCTION INSPECTION -2016



# WE DELIVER COMPETATIVE ADVANTAGE

Offering solutions for enhancing the competitive advantage of our clients

- *Enhancing quality and trade capabilities*
- *Reducing risk*
- *Improving productivity*
- *Ensuring compliance*



# WHAT MAKES US DIFFERENT?

- We offer high-quality services in fast time and at low prices
- We offer custom solutions to suit our client's needs
- We work across many industries
- We provide services globally
- We enhance entire supply chains
- We work with the latest technology
- We have a culture of integrity



# DISCOVER HOW WE CAN HELP YOU

[www.inspecco.com](http://www.inspecco.com) | [info@inspecco.com](mailto:info@inspecco.com)



**INSPECCO Certification and Inspection Services Inc.**



**N Inspecco**

**WE BUILD TRUST**