



AVESKON

Welcome

INDUSTRIAL SERVICES

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ALL YOUR NEEDS IN ONE HAND

Who We Are

AVESKON is a fully integrated industrial maintenance & Integrity company that specializes in the design, erection, repair and maintenance of any kind of industrial plants including carbon, stainless steel (duplex or super duplex) and high alloyed structures or equipments such as;

1

Pressure Vessels & Heat Exchangers

2

Storage Tanks

3

Pipings & Pipelines

4

Valves & Pumps

5

Electrical Equipments

Our Core Values

Our passion for safety, innovation, management excellence and continuous improvement sets us far apart from other service providers



We want the customer to feel that our staff is customer driven and committed to putting forth our best effort in everything we do

we understand sustainability as responsible corporate behavior that leads to long-term business success and is in harmony with the customer requests.

We work with our clients as a team. Mutual respect provides the foundation for our success.

Why Choose Us



Sectors

We provide our services mainly to below given sectors



Petrol Refining

AVESKON works to assist our refinery clients plan and execute inspection work while minimizing facility downtime



Chemical Industry

AVESKON executes and delivers an array of chemical projects from conception through engineering, maintenance & Integrity for a broad range of chemical products and processes globally



Mining Industry

Whether your focus is increasing production, reducing costs, ensuring security of supply or expanding infrastructure we can help you find innovative ways to do this sustainably.



Energy

Our Power workforce includes specialists in boilers, material handling, emissions control, turbine generators, performance and all plant systems and components

Our Services

OUR CORE SERVICES ARE ENGINEERING & DESIGN, MAINTENANCE & INTEGRITY AND SPECIAL SERVICES.



Engineering & Design

Mechanical & Electrical



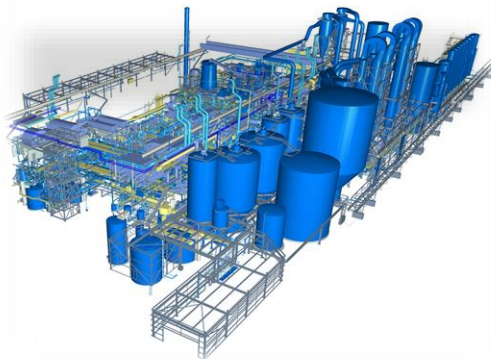
Maintenance & Integrity

Mechanical & Electrical & Instrument



Special Services

RBI, Fitness For Service, Materials & Corrosion



Engineering & Design



Electrical E&D

E&D

Engineering & Design

1 Transformer Station

2 Engine Control Station & Panels

3 Low & Medium Voltage Systems,

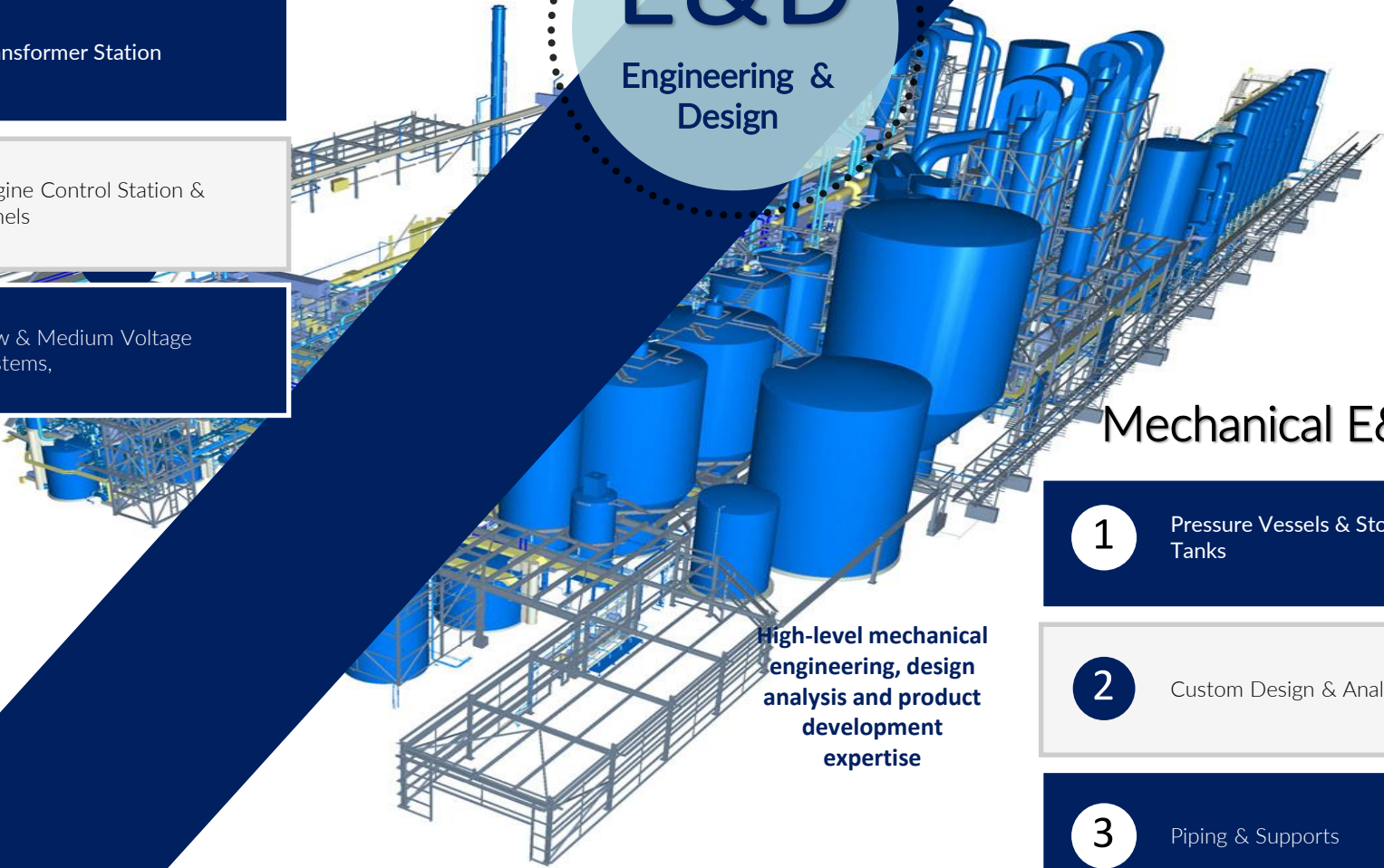
Mechanical E&D

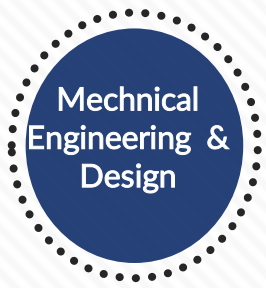
1 Pressure Vessels & Storage Tanks

2 Custom Design & Analysis

3 Piping & Supports

High-level mechanical engineering, design analysis and product development expertise





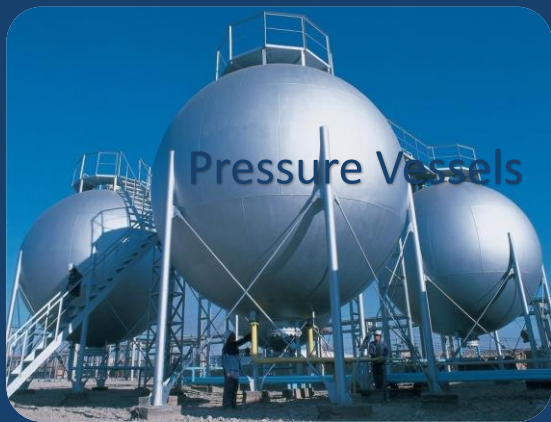
Pressure Vessels

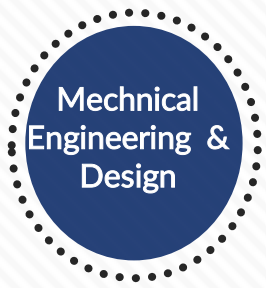
AVESKON specialized in pressure vessel design, Storage Tank design as detailed engineering acc. to ASME,AD 2000,EN,API,AWWA,CODAP,etc...

Design Codes

- 1 AD 2000 Code
- 2 ASME Sec. VIII Div 1 & 2
- 3 EN 13445 Series
- 4 EN 13458 Series
- 5 Codap, TEMA, PD 5500

All our pressure vessel desing & mechanical calculations are performed by using newest related pressure vessel design & storage tank design software or our own designed calculation sheets which includes every single details of referenced code of construction.





Aboveground Storage Tanks

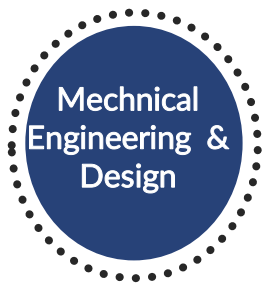
AVESKON specialized in pressure vessel design, Storage Tank design as detailed engineering acc. to ASME,AD 2000,EN,API,AWWA,CODAP,etc...

Design Codes

- 1 API 650
- 2 API 620
- 3 AWWA D 100
- 4 EN 14015

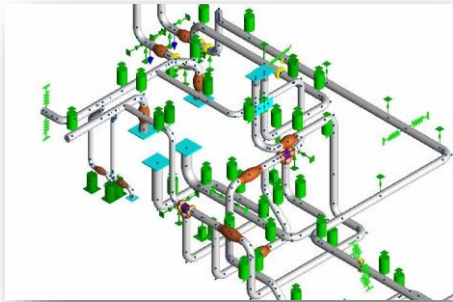
All our storage tank design & mechanical calculations are performed by using newest related pressure vessel design & storage tank design software or our own designed calculation sheets which includes every single details of referenced code of construction.





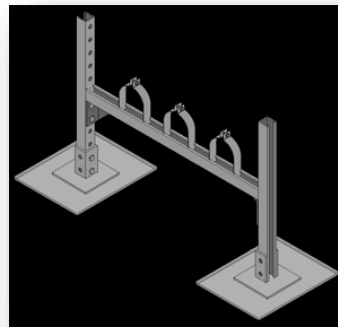
Piping & Support Services

AVESKON piping & support services specialized in piping design , pipe stress analysis, asme b31.1 & b31.3 compliance verification, pipe support design & detailing, pipe material selection & layout design



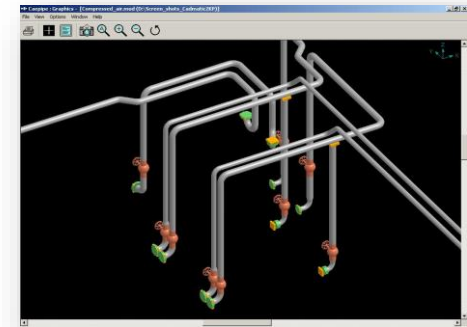
Pipe Stress Analysis

AVESKON offers pipe stress capability for onshore and offshore installations complying with international codes (e.g. ASME B31.3, ASME B31.4, ASME B31.8, DNV2000), services



Support Design

AVESKON offers a complete pipe support design service. We can develop pipe support standards that address clients' needs, using the clients' basis of design, early in the project..



Piping Design

Our piping stress analysis consulting service consists of: collecting field data, if required, generating piping isometrics, if required, constructing a computer model of the piping system along with any connected equipment and processing analyses with the appropriate

Electrical Design & Analysis

AVESKON electrical E&D services specialized in Electric power systems, Low current systems, automation systems.

Electric Power systems

- Engine Control Station & Panels
- Short circuit calculations & analysis
 - Transformer Station Designs
 - Low Voltage Panel Systems
 - Electrical Project Design
 - Power Generator Systems
- Lightning Protection and Grounding



Low Current Systems

- CCTV / IP CCTV
- Access Control Systems
- Fire Detection and Alarm Systems
- Emergency Announce and Music Broadcast Systems
 - Intercom Systems
- Data and Phone Operator Systems



Automation Systems

- Scalada Design
 - PLC Design
- Instrument hook up drawings
- Building Management systems
 - Industrial Automations



Erection & Maintenance & Repair

Aveskon provides [API 653 Tank](#), [API 510 Pressure Vessel](#), [API 570 Piping](#) repair and maintenance services.

We specialized in
Industrial
erection &
maintenance &
Repair activities



1

Turnarounds & Outages

AVESKON provides the highest quality Turnaround & Outage Services in Power Plants, Refineries, Mining Plants or any kind of industrial facility

2

Pressure Vessel Integrity & Repair

AVESKON provides pressure vessel integrity & repair services with highly experienced "api 510" pressure vessel engineers & inspectors.

3

Storage Tank Integrity & Repair

AVESKON provides storage tank integrity & repair services with highly experienced tank engineers & api 653 above ground storage tank authorized inspectors.

4

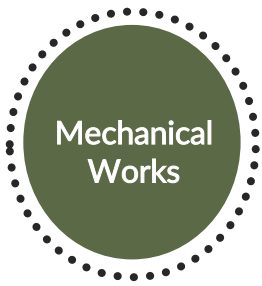
Piping Integrity & Repair

AVESKON provides piping integrity & repair services with highly experienced crews and api piping "api 570" inspectors.

5

Electrical Services

AVESKON electrical services have the capability of repairing any type of equipment in high voltage plants & industrial plants



Turnarounds & Outages

AVESKON provides the highest quality Turnaround & Outage Services in Power Plants, Refineries, Mining Plants or any kind of industrial facility, while reducing a facility's turnaround contract costs remarkably.

1

Identifying Needed Work

- Identifying Pre-Shutdown Work
- Checklists and Action Item Lists
- Identifying Start-up Activity

2

Defining Scope of Work

- Prioritizing the Proposed Work
- Efficient Shift and Crew Schedules
- Defining the Constraints

3

Planning The Shutdown

- Determining Lead Time Required for Successful Project Planning
- Planning and Estimating Jobs
- Materials Management
- Accounting for Shutdown Costs

4

Shutdown scheduling

- Coordinating Support Equipment
- Resource Load Leveling
- Critical Path Scheduling

5

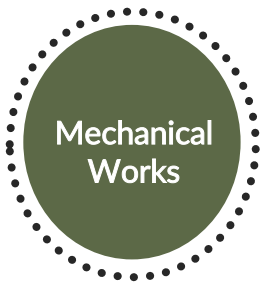
Execution

- Shutdown Master Schedule
- Developing Daily Schedules
- Job Status Update
- Shutdown Safety and OSHA Requirements

6

Reports

- Project Review Meetings
- Completed Work & Quality Review
- Contractor Performance Review
- Final Report Formats
- The Shutdown File



PRESSURE VESSEL ERECTION & REPAIR & MAINTENANCE

AVESKON provides pressure vessel integrity & repair services with highly experienced «API 510» pressure vessel engineers & inspectors.

1

ERECTION SERVICES

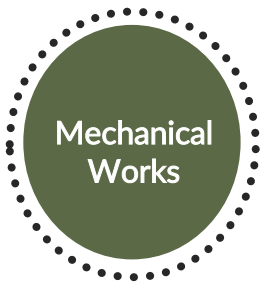
AVESKON integrity services including verifying that fabrication and operation comply with design conditions, verifying that pressure equipment is safe and fit for service under the specified operating conditions until the next planned inspection, verifying that maintenance, repairs, and alterations are performed which will maintain the integrity of the pressure equipment, indicating repairs, replacements or alteration which may be need and assessing remaining safe life of the pressure equipment

2

REPAIR & MAINTENANCE SERVICES

AVESKON has extensive knowledge of pressure vessel repair along with a wide range of advanced industrial repair capabilities and equipment.

We can quickly repair pressure vessels that have deteriorated over time due to corrosion or regular mechanical wear. By combining the efforts of our quality control management team with our ASME or API 510 authorized inspectors, we ensure proper procedures, quality welding, and testing are all applied for the best in quality repairs.



STORAGE TANK ERECTION & REPAIR & MAINTENANCE

AVESKON provides storage tank integrity & repair services with highly experienced tank engineers & API 653 above ground storage tank authorized inspectors.

1

ERECTION SERVICES

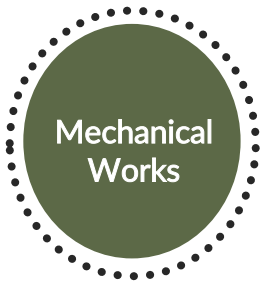
AVESKON provides comprehensive API 653 Inspections, documentation, and recommendations to customers in accordance with API 653. By allowing our professionals to inspect your tank, you insure that your tank will remain in peak condition

2

REPAIR & MAINTENANCE SERVICES

AVESKON can also assist you for repair & maintenance activities of your storage tanks. Our services are;

- Seal Repair and Replacement
- Tank Bottom Replacement
- Roof Repairs
- Tank Shell Repairs
- Tank Accesory Repair & Modifications



PIPING ERECTION & REPAIR & MAINTENANCE

AVESKON provides piping integrity & repair services with highly experienced crews and API piping «API 570» inspectors.

1

ERECTION SERVICES

Aveskon Piping Integrity Services covers the inspection, rating, repair, and alteration procedures for metallic and FRP piping systems and their associated pressure relieving devices that have been in-service

2

REPAIR & MAINTENANCE SERVICES

AVESKON provides piping installation, and modification and repair services at our customer sites, including prefabrication of piping at our own facilities or at the customer's location. We have capabilities to work with all known material types. Stainless steel sanitary piping, steam piping, air piping, chemical containment piping, waste water piping, transfer piping, high pressure piping, gas piping, acid / caustic piping, and all process piping.



ELECTRICAL ERECTION & REPAIR & MAINTENANCE

AVESKON provides electrical erection & maintenance services with highly experienced crews and electrical engineers.

1

ERECTION SERVICES

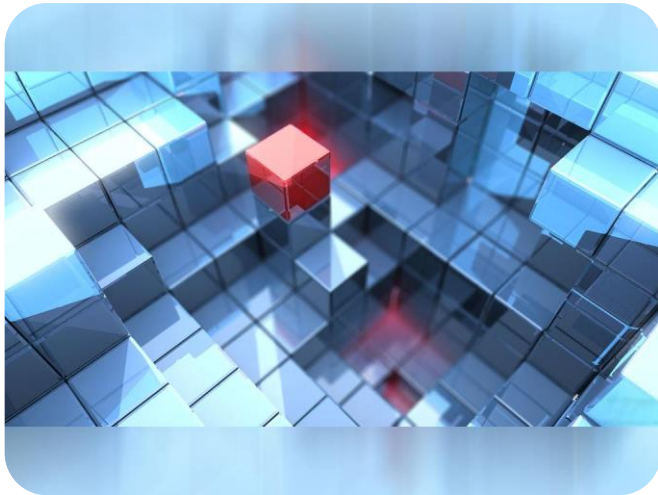
- Busbar and low voltage cable installations
- Distribution, MCC and Compensation Boards
- Cable Support Systems Installations
- Lighting Fixture Installations
- UPS Installations
- Building Automation
- Generator Systems
- Lightning Protection and Grounding Installation

2

REPAIR & MAINTENANCE SERVICES

- Emergency Repair & response team
- Transformer lubricant changes
- Periodical grounding checks
- Panel & connection periodic checks with thermal cameras
- Repair of damaged mechanisms

Special Services



Our special services are engineering & solution services such as, Risk Based Inspections, Fitness For Services, Materials & Corrosion.



Risk Based Inspection

RBI uses the findings from a formal risk analysis, such as a Corrosion Risk Assessment, to guide the direction and emphasis of the inspection planning and the physical inspection procedures



Fitness For Service

AVESKON Special Services, performs ***fitness-for-service evaluations*** for pressure vessels, heat exchangers, boilers, storage tanks, piping and other specialized equipment to assure the structural integrity of equipment for the intended design parameters



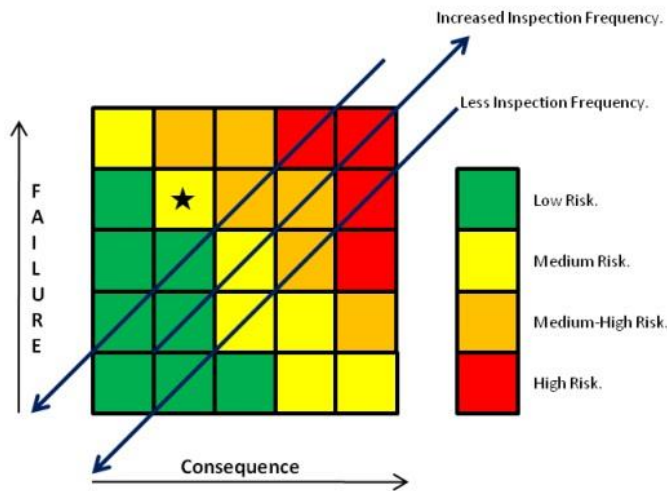
Materials & Corrosion

Our Materials & Corrosion Services focus on the integrity of new and existing structures to mitigate the impacts of corrosion and materials failure.

Risk Based Inspection



All our activities are performed by using related RBI implementation software. This software facilitates risk based inspection (RBI) analysis for oil & gas, chemical and power plants in adherence to the principles and guidelines presented in the American Petroleum Institute's recommendations in the API RP 580 and RP 581 publications.



AVESKON RBI Program

- RBI implementation
- Preparation of RBI procedures
- Damage Mechanism and susceptibility identification
- Probability of failure for vessels, pipings, and tanks
- Risk/cost benefit based decision, making for process changes, inspection program modifications and equipment repair
- RBI for pressure relief devices
- TML/CML optimization , system analysis



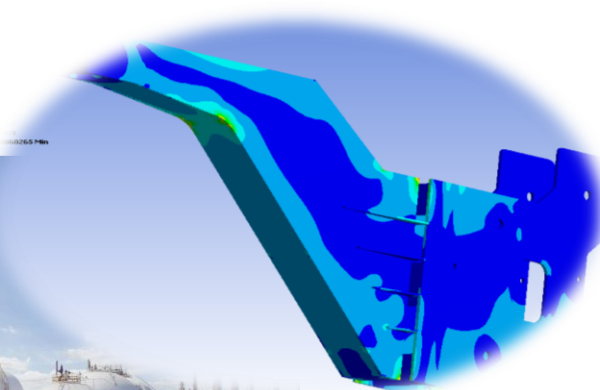
Fitness For Service



AVESKON Special Services, performs *fitness-for-service evaluations* for pressure vessels, heat exchangers, boilers, storage tanks, piping and other specialized equipment to assure the structural integrity of equipment for the intended design parameters

Usually a *fitness-for-service evaluation* is based on API-579 (API Recommended practice for *fitness for service*) and other applicable codes, standards and specifications;

- ASME Sec. VIII Div.1 & 2 & 3
- ASME B31.1 & ASME B31.3
- API 650 & API 620
- AWWA D100
- AD 2000 Code
- BS 5500

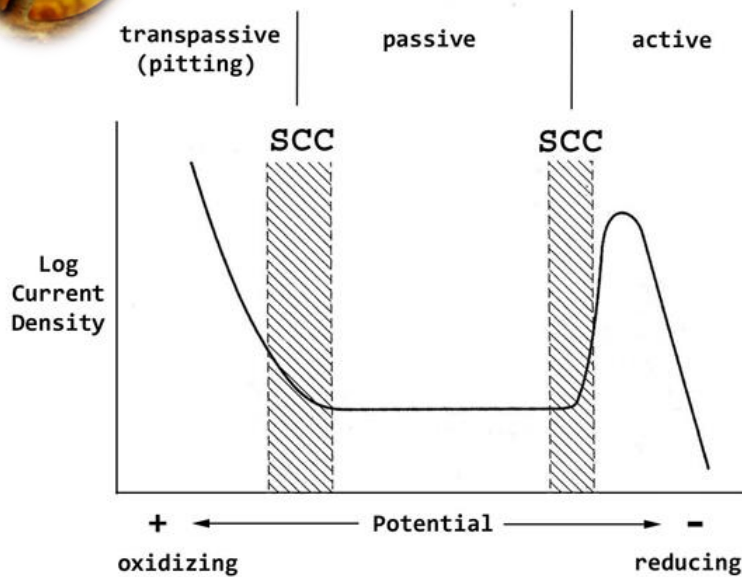




Materials & Corrosion



Our Materials & Corrosion Services focus on the integrity of new and existing structures to mitigate the impacts of corrosion and materials failure



Our expertise includes,

- Cathodic protection
- Material integrity,
- Abrasion and wear
- Thermal and mechanical fatigue assessment.
- Replica Tests, Microstructural Assessments

References

Multi-National and National Clients



SIEMENS



GRACE



References

Multi-National and National Clients



References

Multi-National and National Clients



The Chemical Company

Detailed Reference List

Multi-National and National Clients

Company	Scope of Work	Details
Linde Gaz	Consultancy	Preparing of welding documentation
Sigma Müh.	Engineering	Stress analysis on steam line
Linde Gaz	Maintenance &Repair	Revision on inlet & outlet piping system on filter & heat exchangers
SGS	Consultancy	Revision on storage tanks and pipelines
Clariant	Maintenance &Repair	Maintenance on steam boiler and reactor
Organik Kimya	Engineering	Design activities of heat exchangers including thermal & mechanical calculation
Ataş	Engineering	Piping and equipment detailed design activities with 3d modelling
Selnikel	Engineering	Static calculation on steam boiler and steam line
Türk Henkel	Maintenance &Repair	Maintenance on pressure vacuum relief valf

Detailed Reference List

Multi-National and National Clients

Company	Scope of Work	Details
Solventaş	Inspection & Testing	Welding inspection on storage tanks
Oknal Sinai ve Tibbi Gazlar	Engineering	Engineering to production cryogenic tanker
Botaş	Inspection & Testing	Fitness for services on storage tank
Gama	Inspection & Testing	Review & consultancy activities concerning power plant storage tank design & erection
Marshall boya (Akzo Nobel)	Inspection Testing	Fitness for services on storage tanks and reactors
Gama	Inspection & Testing	Nace coating inspektion Level II
Aygaz	Engineering	Stress analysis on LPG tanks
Safa Tarım	Inspection & Testing	Fitness for services on storage tank
Basf Türk	Maintenance & Repair	Maintenance and repair on steam boiler

Detailed Reference List

Multi-National and National Clients

Company	Scope of Work	Details
Gama	Inspection & Testing	Design & modernization of power plant storage tanks roof support structures
Ataş	Engineering	API 2000 vent calculating
Grace	Maintenance & Repair	Monthly periodic maintenance
Clariant	Inspection & Testing	ATEX zone classification and preparing explosion protection document
Messer Ali Gaz	Maintenance & Repair	Preparing periodic maintenance instruction for storage tanks
Messer Ali Gaz	Maintenance & Repair	Fitness for services on storage tank
Kastamonu Entegre	Maintenance & Repair	Maintenance on pressure vacuum valve and flame arrestor
Altintel	Inspection & Testing	API 653 inspection on storage tanks
Cargill	Inspection & Testing	Fitness for services on Hexane storage tank

Detailed Reference List

Multi-National and National Clients

Company	Scope of Work	Details
Türk Henkel	Engineering	API 650 modelling and mechanic calculation
Grace	Maintenance &Repair	Revision on elektrik line and earthing line
Sumitomo Rubber	Maintenance &Repair	Maintenance and repair on steam boiler
Betek Boya	Engineering	API 650 modelling and mechanic calculation
Sumitomo Rubber	Maintenance &Repair	Maintenance on pressure vacuum valfe
Betek Boya	Inspection &Testing	Fitness for services on storage tanks and reactors
Solventaş	Maintenance &Repair	RBI system integration and consultancy
Türk Henkel	Maintenance &Repair	Fitness for services on reactors
Air Liguide Gaz	Maintenance &Repair	NDT on storage tanks and API 653 inspection

Detailed Reference List

Multi-National and National Clients

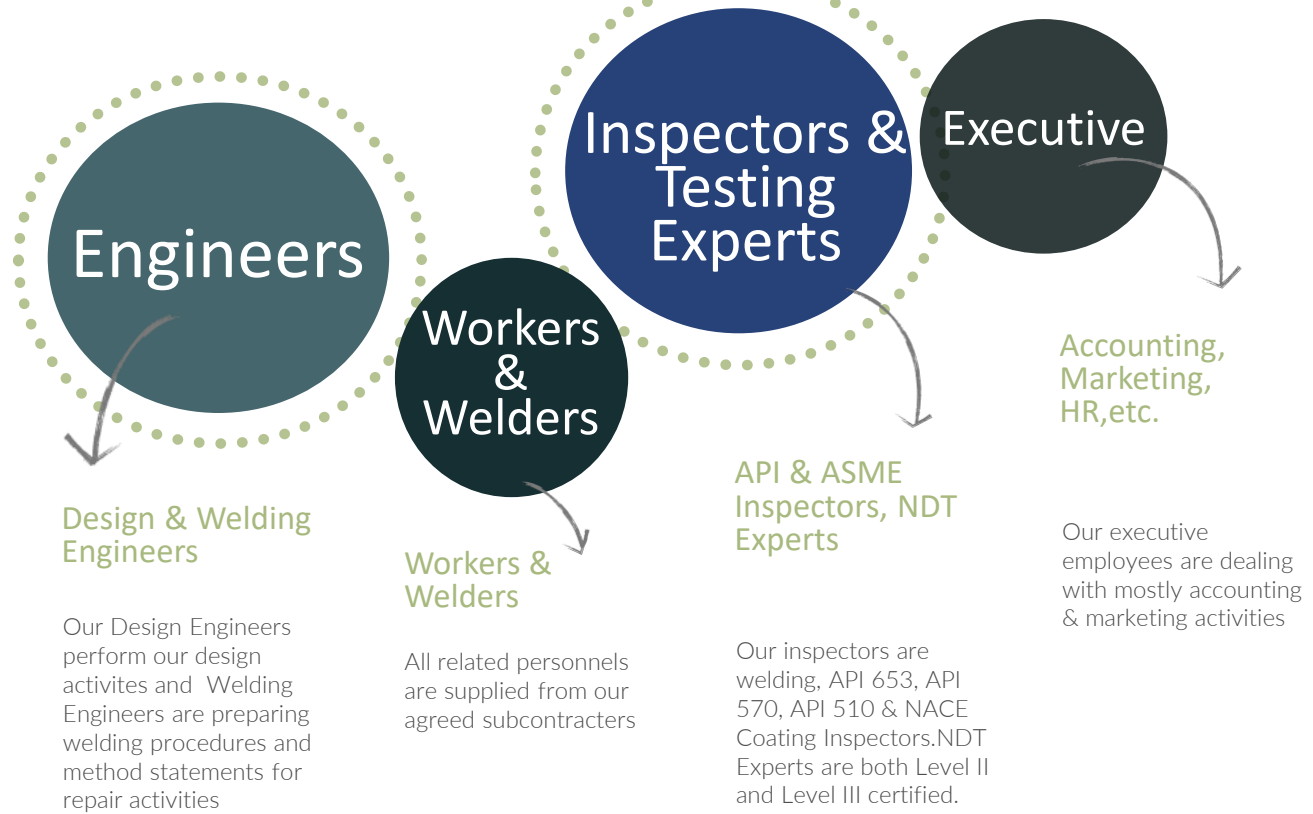
Company	Scope of Work	Details
Betek Boya	Maintenance & Repair	RBI system integration and consultancy
Bp Gaz	Engineering	Modelling and mechanic calculation for storage tank
Erdemir	Inspection & Testing	NDT on storage tanks and API 653 inspection
Alışan Lojistik	Inspection & Testing	Road tanker inspection and PMI
Selnikel	Engineering	Mechanical calculating on pressure vessel
Türk Henkel	Maintenance & Repair	Fitness for services on storage tanks
Selnikel	Engineering	Static analysis of steel construction of steam boiler system
Ravago Kimya	Engineering	N-PENTAN storage and transfer system design Piping and equipment detailed design activities with 3d modelling

Detailed Reference List

Multi-National and National Clients

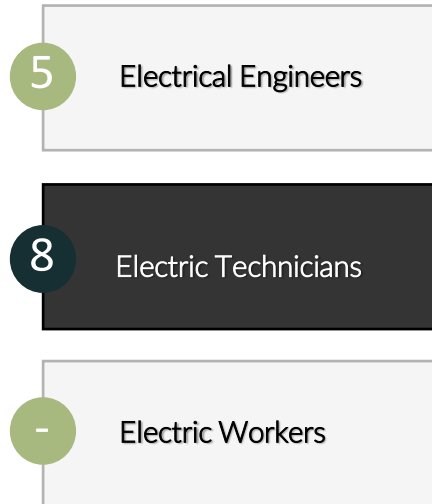
Company	Scope of Work	Details
Cargill	Engineering	Edible oil Storage and transfer system Piping and equipment detailed design activities with 3d modelling
BASF	Engineering	Detail Engineering of storage tank and transfer system of VAM , MAH & JOKER storage tanks 3d modelling
Chemetall	Engineering	Detail Engineering of storage tank and transfer system of DINP storage tanks 3d modelling
Aquamatch	Engineering	Detail Engineering of treatment facility in Nuclear Power Plant
Çukurova Kimya	Engineering	Detail Engineering of storage tank and transfer system of IPA Tank system
Ataş	Engineering	Cathodic protection inspection and system analysis of Mersin Plant Piping system
Akpa Kimya	Engineering	Detail Engineering of storage tank and transfer system of Chemical Storage Tanks

Our Team

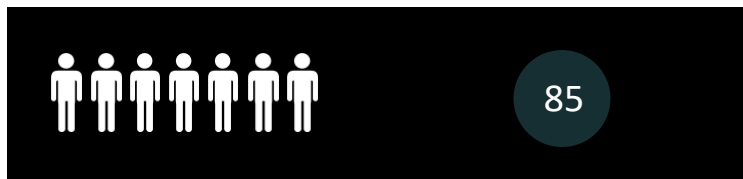
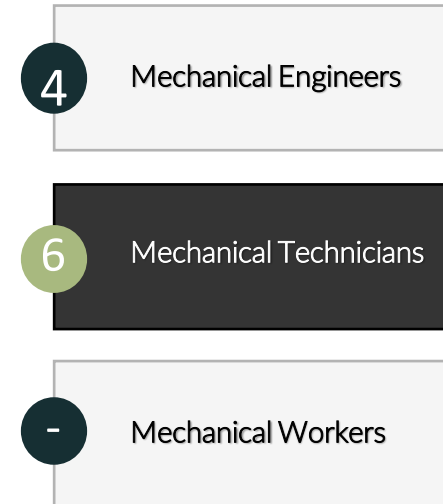


AVESKON Team Capacity

Mechanical



Electrical



Our employee number for ongoing projects.



Our employee number for ongoing projects.



Maintenance & Emergency Response Team

But also the leap into electronic typesetting, remaining essentially. Lorem Ipsum is simply dummy text of printing and typesetting industry.



Periodic Controls

We perform periodic control activities for solar power plants with our maintenance team.



Maintenance system implementation

We can implement a maintenance system for your plant.



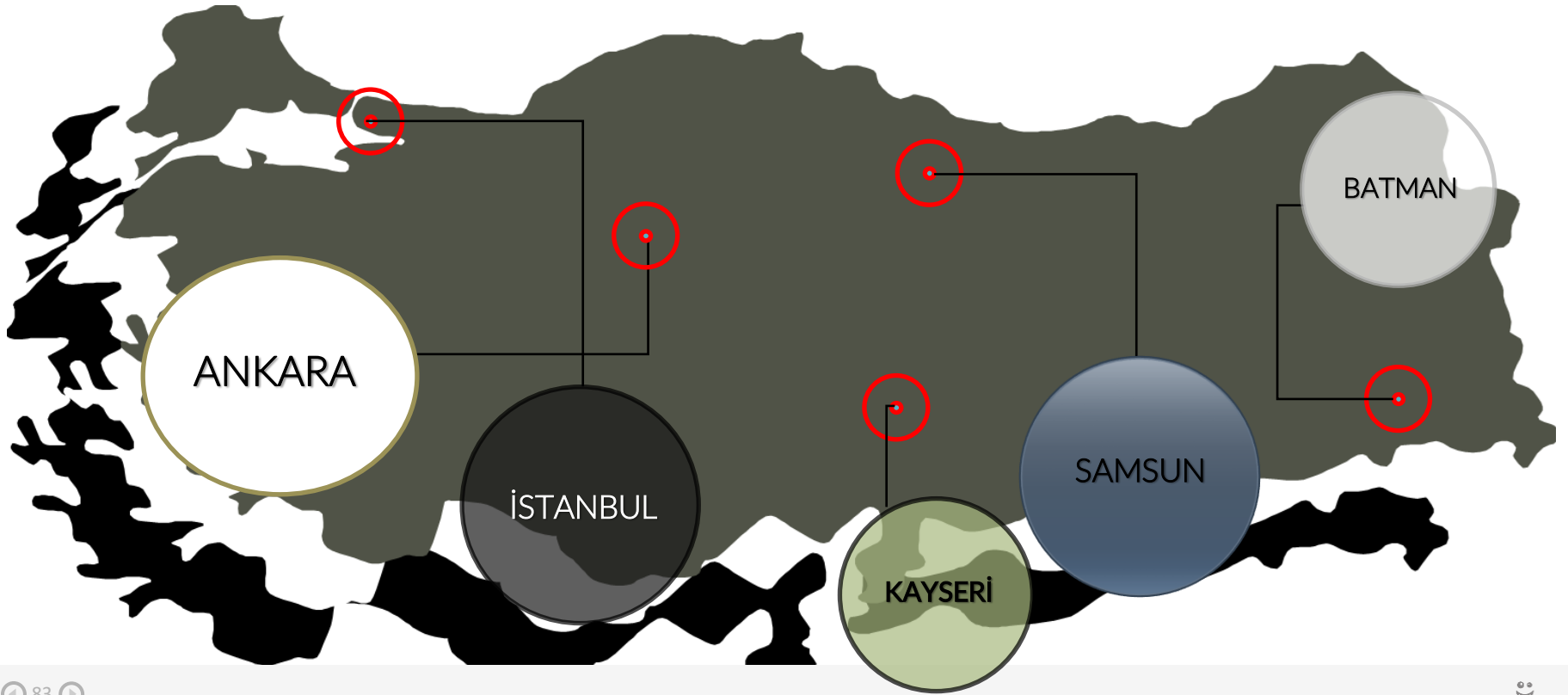
Emergency Repair

Fastest response time after emergency calls.



Maintenance Team Location Plan

We provide innovative professional repair team for your equipments & plants that can be mobilized in 24 hours including documentation & necessary tools to meet the highest standards and great work results.



We provide maintenance team for you as an outsource employee...

Outsource Team Support



22



Electrical
Engineers,
Technicians.

Highly
experienced,
Responsible,
Dedicated.



15



Workers

Localized & hard
working...



Social Media

You may visit our social Media pages and follow our Works and be one of our precious community member

1

You may visit our facebook website for our latest works



2

You may visit our linkedin page for our company profile & job opening.



3

You may follow our twitter account for our engineers & experts comments on specific works



Connect Us



www.aveskon.com



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