



FORTAS

INDUSTRIAL SOLUTIONS PARTNER



2026 SERVICES CATALOG

MECHANICAL CONTRACTING PERIODIC INSPECTION TANKS AND VENTING

Engineering services that manage inspection, maintenance, supply and implementation within one defined technical scope.



FORTAS AT A GLANCE

Accessible in the field. Disciplined in documentation.

FORTAS brings periodic inspection, mechanical contracting and industrial tank and venting experience together in one delivery model designed to support sound operational decisions.



Technical assessment grounded in field data

Positioning

Responsive periodic inspection and maintenance follow-up, disciplined mechanical implementation and an industrial field approach to tank and venting assignments.

- Based in Mersin, serving projects throughout Türkiye as required
- Mechanical, electrical, fabrication and site teams assembled to suit the assignment
- Clear definition of scope, deliverables, exclusions and responsibilities in every quotation

01

Periodic Inspection

Field inspection, reporting and maintenance actions tailored to the equipment type.

02

Mechanical Contracting

Design, maintenance, modification, supply and implementation coordination.

03

Tanks and Venting

API 650 tanks, API 2000 venting and tank equipment.



FROM INSPECTION TO RESOLUTION

We identify the issue and set out a clear route to resolution.

Inspection and maintenance or implementation responsibilities are defined separately. The client may proceed with FORTAS or another contractor of its choice.

01

Initial Information

The equipment list, photographs, existing reports and operating requirement are collected.

02

Site Survey

Site conditions, access, work constraints and technical data are verified in the field.

03

Solution Plan

Inspection, maintenance, supply and implementation workstreams are separated.

04

Implementation

Teams, materials, schedule, safety and testing activities are coordinated.

05

Handover and Follow-up

Reports, photographs, tests, maintenance actions and next steps are documented.

CORE PRINCIPLE

No approval is given for unseen work; every technical opinion is limited to the inspected site and verified data.



EKIPNET AUTHORIZATION SCOPE

Periodic inspection, reporting and maintenance follow-up.

The work goes beyond inspection: findings become a clear report, maintenance needs become an action list and the next inspection becomes a tracked requirement.



Inspection data: equipment, site and previous records

- Review of the preliminary equipment list and previous reports
- Planning of preparation, shutdown and access requirements
- Field inspection and measurement appropriate to the equipment type
- Reporting of findings, photographs, defects and conclusions
- Follow-up of maintenance actions and the next inspection date

01

Field Inspection

Visual, functional and equipment-specific inspection activities.

02

Reporting

Structured presentation of findings, photographs, assessment and conclusions.

03

Maintenance Follow-up

Tracking of corrective work and closure records.



PRESSURE EQUIPMENT AND SYSTEMS

Planned, documented inspection of equipment operating under pressure.

Inspection preparation is planned using equipment data, safe shutdown requirements, access conditions, previous reports and the required test conditions.



Principal equipment

- Steam, superheated water, hot-water and thermal-oil boilers
- Compressed-air and gas receivers
- LPG tanks, expansion vessels and calorifiers
- Buffer tanks, autoclaves and cryogenic tanks
- Hazardous-liquid storage tanks and associated systems

PRE-INSPECTION PREPARATION

- Equipment identification, capacity and operating pressure
- Safety devices, valves and connection data
- Shutdown, draining, cleaning and safe access requirements
- Previous inspection, maintenance and repair records



LIFTING EQUIPMENT, PLANT MACHINERY AND ACCESS SYSTEMS

The correct inspection scope for each equipment type.

Lifting, handling, access and plant machinery are assessed together with their intended use, capacity, operating environment and safety devices.

01

Cranes and Hoists

Tower, mobile, overhead, gantry, loader and monorail cranes and related lifting systems.

02

Industrial Trucks

Forklifts, pallet trucks, stackers, order pickers and variable-reach trucks.

03

Platforms and Lifts

Mast-climbing and suspended platforms, mobile elevating work platforms, construction hoists and goods lifts.

04

Plant Machinery

Excavators, loaders, dozers, graders, compactors, paving machinery, concrete pumps and drilling equipment.

05

Lifting Accessories

Slings, clamps, vacuum lifters, carriers and associated connection equipment.

06

Scaffolding and Access

Construction scaffolds, mobile access towers, escalators and continuous conveying equipment.

NOT

The final inspection scope is confirmed before quotation against the equipment's EkipNet registration name and technical characteristics.



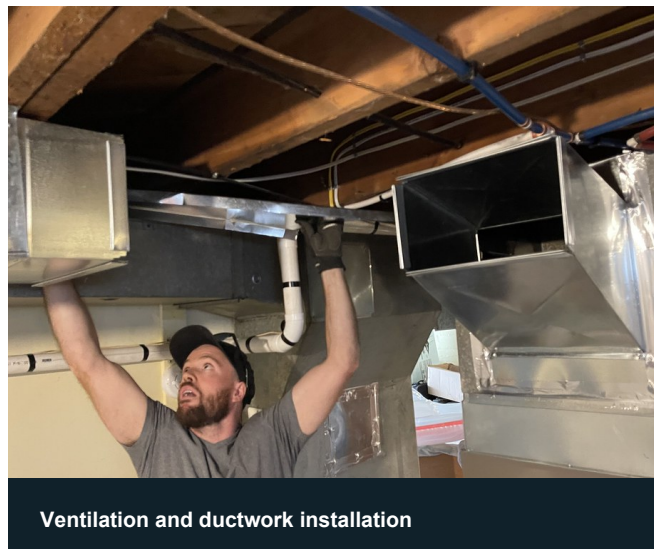
FIRE PROTECTION, VENTILATION, MACHINERY AND INDUSTRIAL SYSTEMS

A clear scope for mechanical-system and machinery safety.

Different equipment groups may be organized under one site plan, while each group is reported against its own technical requirements.



Fire-protection valve and control assembly



Ventilation and ductwork installation

01

Fire Protection

Extinguishing, sprinkler, portable extinguisher, smoke extraction and pressurization systems.

02

Ventilation

Equipment and system inspection for ventilation and air-conditioning installations.

03

Machinery and Racking

Presses, lathes, milling, sawing and drilling machines, industrial racking and doors.



BEYOND THE REPORT: MAINTENANCE ACTION

Identifying a nonconformity is not enough; the next action must also be clear.

Inspection and maintenance or implementation are kept separate in contract and responsibility. A technical action list helps the client make an informed decision.

01 FINDING

The equipment condition, photographic evidence and relevant inspection result.

02 PRIORITY

Classification into critical, short-term and planned maintenance actions.

03 SOLUTION

Definition of parts, labor, shutdown, access and testing requirements.

04 CLOSURE

Service and photographic records of the work and tracking of the finding.

05 FOLLOW-UP

Communication of the next inspection date and planned maintenance note.

The client may carry out maintenance or implementation with FORTAS or another contractor of its choice.



DESIGN · MAINTENANCE · CONTRACTING

Site-ready mechanical engineering solutions.

Existing-system assessment, technical scoping, material and workforce planning, site coordination and handover records are managed in one workflow.



Plant rooms, boiler rooms and industrial piping

01

Heating and Cooling

Boilers, pumps, heat exchangers, headers and hydronic distribution systems.

02

Ventilation and Fire Protection

Ductwork, fans, smoke extraction, sprinklers, hydrants and pump sets.

03

Plumbing and Industrial Systems

Water, drainage, pumping, piping and auxiliary steelwork.



DESIGN CONFORMITY AND MAINTENANCE

Differences between the design and the installed system are made visible.

From minor modifications to turnkey implementation, each assignment is planned around survey data, quantities, materials, workforce, schedule and testing.



Field and conformity review of mechanical equipment

DESIGN AND IMPLEMENTATION

- Assessment of the existing system, requirement and access
- Minor design, modification and installation detailing
- Quantity take-off, material and labor scope
- Coordination with electrical and architectural disciplines
- Testing, commissioning and handover records

The essential maintenance questions

- What is the symptom, and how will the root cause be verified?
- What parts, labor, shutdown and safety preparations are required?
- What testing and handover records will be produced after the work?



API 650 STORAGE TANKS

Fabrication, erection and the quality dossier are planned together.

For atmospheric storage tanks, design inputs, materials, fabrication, welding, inspection, erection and testing are coordinated to suit the agreed scope.



API 650 tank construction and field quality control

- Definition of API 650 fabrication and erection scope
- Coordination of material lists, welding and quality records
- Field erection, connections, ladders and platform details
- Leak testing, test plan and handover dossier
- Maintenance, modification and API 653-based preliminary assessment scope



TANK EQUIPMENT

An equipment package suited to the operating duty.

Equipment is selected by considering fluid properties, flow rate, tank geometry, connections, maintenance access and the operating scenario together.



Floating suction arm: flange, swivel, suction pipe and float assembly

01

Floating Suction Arm

Swivel connection, suction pipe, float assembly and tank connection geometry.

02

Level and Overfill

Level measurement, alarm, sampling and overfill prevention equipment.

03

Valves and Connections

Valves, flanges, expansion joints, manways and auxiliary tank equipment.



API 2000 VENTING

The right capacity, the right equipment and the right set pressure.

Normal and emergency tank venting demand is assessed using process flow rates, thermal effects, product properties, design pressure and credible emergency scenarios.



Emergency relief vents, PV vents and flame arresters

Sizing and selection inputs

- Tank type, diameter, height, design pressure and vacuum limit
- Filling and withdrawal rates and product temperature
- Thermal breathing and emergency scenarios
- Set pressures, connection sizes and back-pressure effects
- Product vapor, gas group and material compatibility

TANK SAFETY EQUIPMENT

Emergency relief vent, PV vent and flame arrester selection.

Equipment is selected using required capacity, set pressure, product properties, pressure loss and installation conditions, not nominal connection size alone.



Unbranded venting equipment arrangement on a tank roof

- PV vent: normal pressure and vacuum relief
- Emergency relief vent: high-capacity relief under emergency conditions
- Flame arrester: assessment of type, gas group and installation position
- Connection equipment: nozzle, flange, gasket and drainage details
- Technical data sheet, supply alternatives and installation notes

01

Sizing

Determination of normal and emergency venting capacity.

02

Selection

Matching of capacity, set pressure, material and connection.

03

Implementation

Technical specification, supply, installation and field verification.



OIL & GAS AND FUEL FACILITIES

Maintenance, technical assessment and solution supply on the same site.

For fuel storage and transfer systems, equipment failures, nonconformities, maintenance requirements and replacement options are assessed together.



Tank equipment: technical supply and site preparation

- Maintenance scope for valves, pumps, piping and tank accessories
- Review of current condition, operating concerns and site conditions
- Equipment selection, commercial comparison and supply
- Documentation support against applicable JIG requirements
- Implementation coordination across mechanical, electrical and site teams

SOLUTION PARTNERSHIP

From a maintenance finding to equipment supply, and from a minor field modification to a turnkey work package, the scope is developed project by project.



TRACEABLE HANDOVER

Quality, environmental and field records are part of the work.

The FORTAS delivery model applies the traceable documentation discipline required by its ISO 9001 and ISO 14001 certified management systems to field operations.

01

Materials

Technical specifications, certificates, delivery notes and conformity records.

02

Fabrication

Welding, dimensional, in-process inspection, photographic and fabrication records.

03

Inspection and Testing

Inspection plan, test results, calibration and acceptance data.

04

Site

Work permits, workforce, daily progress, safety and environmental records.

05

Handover

As-built information, service forms, photographs, training and handover records.

06

Follow-up

Maintenance actions, warranty, closure and the next inspection date.

Work requiring statutory authorization or independent accreditation is carried out with the relevant competent body under a separately defined responsibility.



THE RIGHT STARTING DATA FOR AN ACCURATE QUOTATION

Field work moves faster when the scope boundaries are clear from the start.

The quotation may be structured in stages to suit the service. Scope, deliverables, exclusions and responsibilities are stated at every stage.

01

Assessment and Report

Site review, findings, photographs and technical assessment.

02

Assessment + Maintenance Plan

Priorities, parts, labor and schedule presented with the report.

03

Supply + Implementation

Materials, workforce, site coordination, testing and handover records.

Information for the Initial Review

LOCATION

Facility, building, work area and city information

EQUIPMENT

Quantity, capacity, make/model and previous report

REQUIREMENT

Inspection, failure, maintenance, design, supply or implementation

SCHEDULE

Planned date, shutdown and access constraints



TECHNICAL REFERENCE FRAMEWORK

The standard, project data and site conditions are assessed together.

The applicable edition, revision and acceptance criteria are confirmed at quotation stage. Sizing, selection, fabrication and inspection records are then prepared within that framework.

01

API 650

Reference for the design, materials, fabrication, erection, inspection and testing of atmospheric storage tanks.

02

API 2000

Technical reference for normal and emergency venting capacity and PV vent and emergency relief vent selection.

03

API 653

Framework for preparing inspection, assessment, repair and alteration work on in-service storage tanks.

04

JIG

References for operation, maintenance, equipment and documentation discipline at aviation fuel facilities.

05

EkipNet / ISG-KATiP

Registration, field inspection and reporting requirements for equipment within the authorization scope.

06

TS / EN / Legislation

Applicable technical requirements by equipment type for mechanical systems and periodic inspection.

Naming a standard alone does not constitute a declaration of conformity. Final technical scope is confirmed against equipment data, project specifications, site conditions and contractual responsibilities.



QUALITY AND ENVIRONMENT

ISO 9001 and ISO 14001 certified management system.

Technical quality is supported not only by the field result but also by traceable planning, materials, fabrication, inspection, environmental and handover records.

ISO 9001

Quality Management System

Quotation and scope review, supplier evaluation, field records, nonconformity management and handover documentation.

ISO 14001

Environmental Management System

Environmental aspect assessment, waste and resource management, site controls and environmental records.

How the Systems Apply in the Field

- | | | |
|----|------------------|---|
| 01 | Plan | Scope, risk, responsibility and acceptance criteria |
| 02 | Implement | Approved materials, workforce, site and environmental controls |
| 03 | Verify | In-process inspection, testing, nonconformity and corrective action |
| 04 | Hand Over | Reports, photographs, certificates and closure records |

Certificate copies, current validity and scope information are available on request.



ORGANIZATIONS WE HAVE WORKED WITH

Field experience across energy, fuel, aviation and transportation.

The organizations below are selected references from the FORTAS team's previous work, project, quotation and field experience.



Çukurova
International
Airport





ORGANIZATIONS WE HAVE WORKED WITH

Technical working relationships across multiple industries.

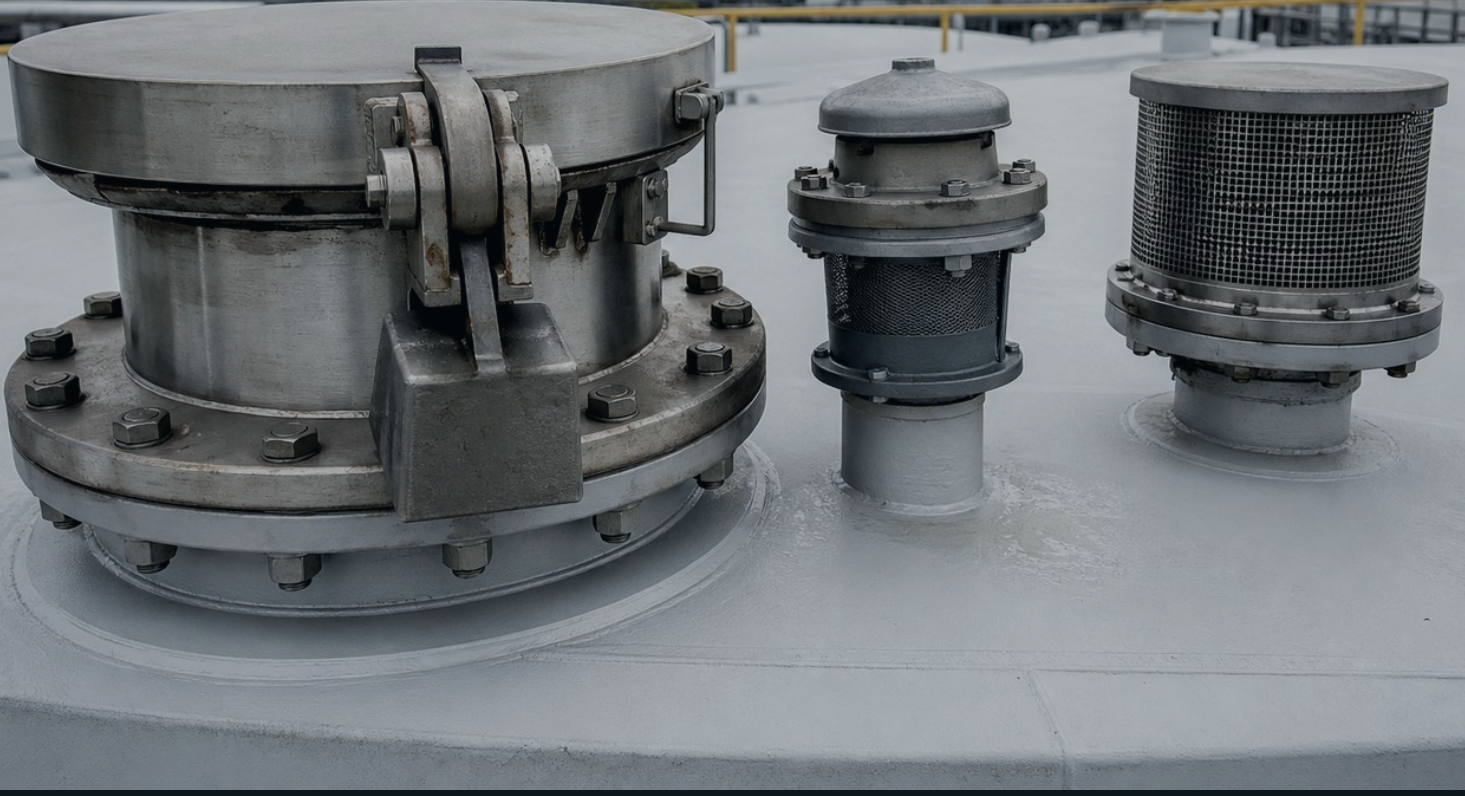
Selected experience across hospitality, engineering, manufacturing, fuel and aviation.





FORTAS

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CONTACT

Let us define your requirement.

An equipment list, site photographs, an existing report or a short work description is enough for an initial review.

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