



Innovative solutions for industrial projects.

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**DEHA TECH**



Introduction

Project Management, Engineering, R&D

Manufacturing & Procurement

Storage Tank

Pressure Vessel

Cement & Mineral Industries

Energy & Environmental Technologies

Chemicals Industries

Petroleum Refinery / Oil & Gas Facility

Construction

Quality & HSE

# INTRODUCTION



DEHA TECH is an EPC contractor with its history dating back to year 2009. DEHA TECH offers a complete array of reliability, engineering, procurement, construction, technical and consulting services. DEHA TECH has provided diverse services for clients throughout the world for many years. As a full service EPC group, we have the skills and experience to manage, build and support a wide variety of project types and client needs; we strive to provide excellent services that excel in craftsmanship, remain within budget and deliver on time. Our projects include high technology and quality as well as customer satisfaction.



We're proud of the reputation DEHA TECH has earned through the years, by staying current and competitive in the industry, always working with the client's best interests in mind. The core business segments of the group are heavy industry, energy, petroleum, oil&gas, chemicals, construction, trade. Our objective is to lower our customer's total cost of ownership and operation. We achieve that goal by working closely with the customer's personnel and their systems to provide technologies, management, direct resources and work processes that optimize maintenance and capital programs. We use rigorous internal and external performance measures, aggressive goal-setting and innovative performance contracting strategies to customize relationships that deliver validated, world-class results.



## DEHA TECH PROJECT MANAGEMENT, ENGINEERING, R&D



DEHA TECH utilizes a team structure which promotes communication and interaction among project team members.

Our experience has allowed us to optimize our project controls and reporting systems to provide the details essential to decision-making at the project level. These customized project management systems meet the broad range of project requirements, we and our customers encounter and enable the successful execution of project objectives.

DEHA TECH's project management organization provides clients with global procurement resources, processes, systems, market knowledge and volume-leveraged pricing to maximize return on investment.

DEHA TECH offers reliable project deliveries, innovative performance solutions and project savings through the combination of a global execution platform, industry leading technologies, goods and services.



DEHA TECH optimizes product and service offerings to achieve client objectives by leveraging highly knowledgeable product directors assigned to specific categories of project planners, engineers, designers, construction personnel, materials, equipment and services.

DEHA TECH's global team of project management professionals supports execution excellence by managing the quality and timely delivery of equipment from manufacturing facility to job site.



DEHA TECH, with head office in Istanbul, factory in Izmir offers a full range of services including project management, project definition, planning and feasibility studies. R&D, preliminary and detailed design, cost estimates, permitting, field services and commissioning. Experienced in all types of plants and facilities.

DEHA TECH provides preliminary and detailed design services utilizing the latest simulation software and CAD&CAM systems. Information systems employed take full advantage of new technologies for database and MIS services to provide a high degree of accuracy yet reducing schedules and price.

Our worldwide experience includes managing design functions in remote locations, with active review and document approval through internet transmission of pertinent files and drawings. In addition to delivery of large capital projects, DEHA TECH executes a diverse group of plant engineering, small capital and sustaining capital projects.



DEHA TECH's engineering, project management and construction personnel support these types of projects many years worldwide.

DEHA TECH provides the entire range of project services from conceptual engineering and detailed design to construction and start-up. Execution platforms for plant engineering and small capital projects are specifically tailored to deliver responsive and cost-efficient results for DEHA TECH's clients. These projects can be executed through dedicated site-based project teams or through regional office staffs. Plant engineering can also support single-engineering disciplines for large projects.





DEHA TECH provides manufacturing, procurement, consulting, construction and construction-management services to global manufacturing clients in a wide variety of industries. DEHA TECH executes projects in the advanced-technology. DEHA TECH's manufacturing teams work closely with engineers, clients and vendors to define requirements and ensure specifications, schedules and QA/QC are met. Our material management system is linked directly to our financial system to allow monitoring of every phase of the manufacturing cycle and coordination with project managers, engineers, workers and warehouse management to expedite deliveries and secure inventories. DEHA TECH's strong resource base provides clients with the expertise needed to complete all project phases, from initial concept to operations and maintenance.

DEHA TECH's logistics team manages the packing and transportation of material and equipment from fabrication facility to project site, meeting the needs of today's globally sourced projects. Plant services encompasses a wide range of activities, including operations support, packaging, material handling and warehousing. These services can be provided in conjunction with our ongoing maintenance and capital services or, as in the case of operations support and packaging, can be provided on a stand-alone basis...

DEHA TECH's export compliance organization promotes excellence in global project execution by maintaining current legal knowledge and advising procurement and logistics teams of applicable laws and regulations.



"View of Deha Tech Factory and Manufacturing"

## DEHA TECH STORAGE TANK



The design, engineering, manufacturing and erection of the following aboveground storage tank and technological equipment are a part of our scope. Deha Tech has used PARESA's solution for large size storage tank more than 80 m diameter.



Deha Tech's Storage tank solutions according to API 650 and API 620, EN 14015, AWE, TEMA standards applied for various tank types :

- Crude Oil Tanks
- Fuel And Oil Tanks
- Potable Water Tanks
- Condensate Water Tanks
- Demineralized Water Tanks
- Desalinated Water Tanks
- Filtered Water Tanks
- Firefighting And Service Water Tanks
- Internal And External Floating Roof Of Tanks
- Pump Station And Piping Of Tank





“View of GE & Gama Power Erzin PP Project”

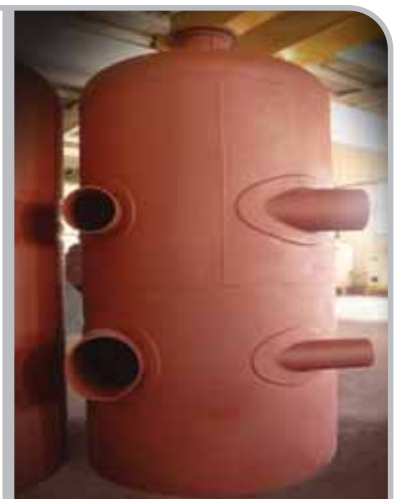
## DEHA TECH PRESSURE VESSEL

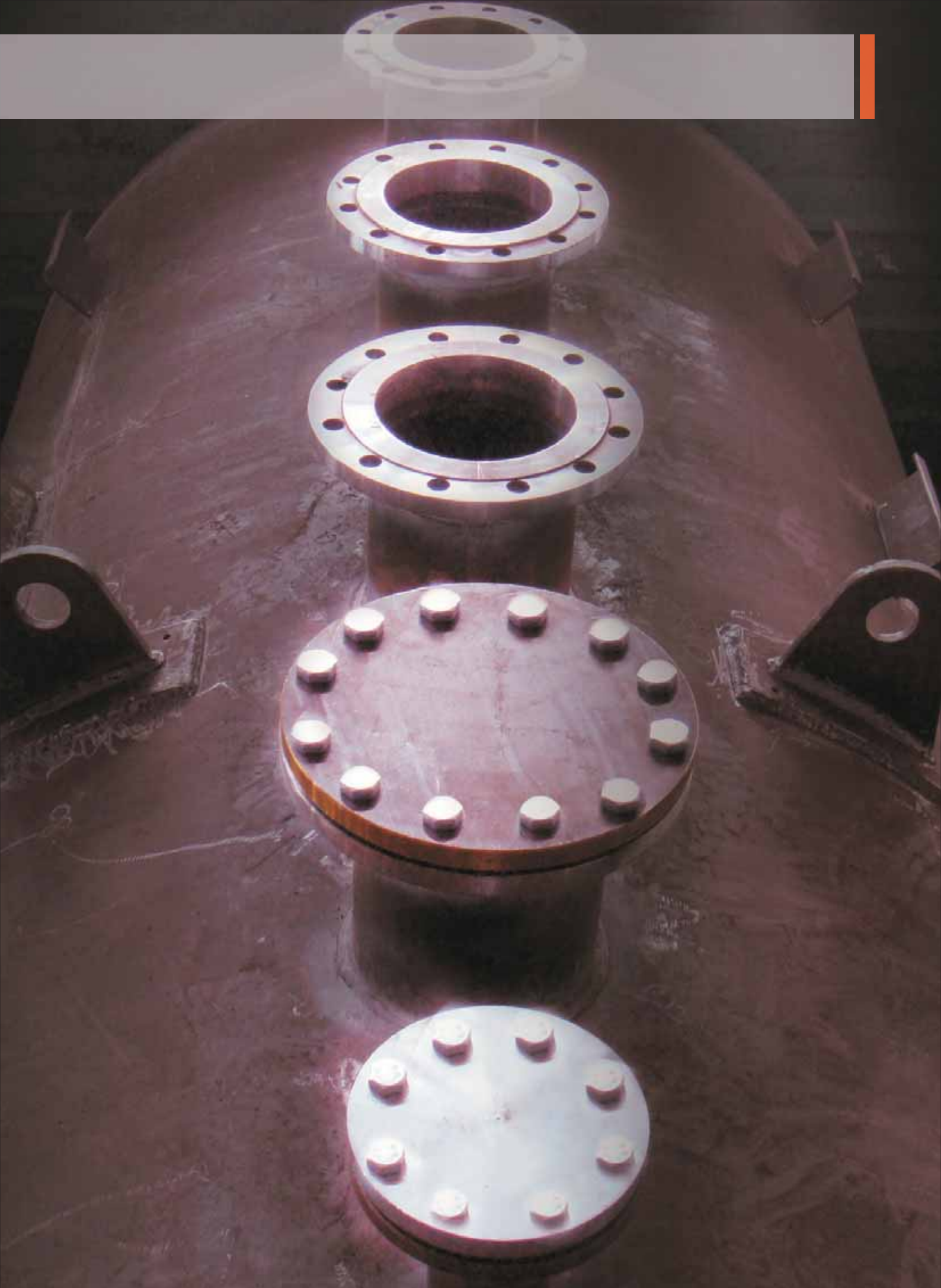


The design, engineering and manufacturing of the following pressure vessel and technological equipment are a part of our scope.

Deha Tech's Pressure Vessel solutions according to ASME, AD 2000 Merkblatt, PED 97/23/EC, EN13445 and EN 14075 standards:

- Blowdown Tank
- HP - LP Steam Drum
- HP - LP Crossover Piping
- Condensate Tank
- Feed Water Tank
- Drain Tank
- Cylindrical LPG and Propane Tank
- Liquid Oxygen and Nitrogen Tank





## DEHA TECH CEMENT & MINERALS INDUSTRY

DEHA TECH has completed several major cement projects and more than 100 studies on six continents, enabling customers to produce everything from limestone. The company excels at completing logistically challenging projects, often in remote areas and doing it on time and within budget.

Our strength lies in our comprehensive technologies including the feasibility study, designing, manufacturing, procurement, construction, test-running, running, maintenance of a cement plant as well as manufacturing machinery for the plant.

DEHA TECH offers consulting engineering services in the field of civil, structural, architectural, electrical and mechanical engineering. These include preliminary engineering, design and detailed engineering as well as construction management and cost studies.





"View of Marzinc Waelz Kiln Manufacturing"



Preliminary engineering this includes site selection by visiting prospective sites and selection to techno - economically feasible site.

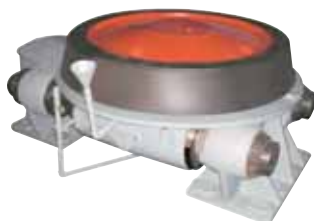
Structural engineering includes reinforced I prestressed concrete designs and detail drawing for foundation and structures subject to dynamic forces.

We also design structural steel, super structures and prepare design / fabrication drawings.

Mechanical Engineering includes design for process, static & dynamic forces in cement plants as well as other mineral industrial plants. Major market segments include cement, lime, waelz oxide, gypsum industrial minerals.

The design, manufacturing and supply of the following system and technological equipment are a part of our scope:

- Complete Clinker Production Plant
- Complete Cement Grinding Plant
- Complete Coal Grinding Plant
- Raw Material Crusher
- Storage Systems
- Preheater
- Turn-key Rotary Kiln & Dryer
- Clinker Cooler
- Vertical And Ball Mill
- Dynamic Classifier
- V-Separator
- Girth & Pinion Gears
- Conveying And Elevator Systems
- Rotary Kiln Tyre & Rollers
- Thrust Roller





"View of CTP Kars Cement Heat Exchanger & Bag Filter Project"



DEHA TECH is one of the global companies that execute characteristic and complex engineering, procurement, construction and maintenance for projects for the energy industries. Electric generation using fossil, nuclear and renewable fuel sources as well as special services for power generating customers.

The worldwide demand for energy has never been greater and DEHA TECH's teams are delivering it in a way no other company can match. Over the past years, we've been a global leader in the design and construction of power plants. In all our projects we use advanced technology to ensure that new facilities are cost-efficient and meet or exceed environmental standards.

Our strategy is being an international contractor providing full-service engineering design, manufacturing, construction, management services in the fields of energy.





"View of GE & Gama Power Erzin PP Project"



DEHA TECH works in the entire range of energy sources and has considerable assets. Our strategy is being an international contractor providing full-service engineering design, manufacturing, construction, management services in the fields of energy.



#### MANUFACTURING, PROCUREMENT & ERECTIONS

- Gas Turbine, Steam Turbine
- Steam Boilers, Heat Recovery Boilers And Steam Generator
- Gas Pressure Reduction Stations
- DeNOx And DeSOx Systems For FGD
- Heat Exchangers
- Air Cooled Condensers, Steam Ducts
- Stack, Chimney
- Compressor, Pump, Fans, Blowers,
- Damper, Ducting And Expansion Joint
- BOP, Steam, Gas, Fuel And Water Spool Piping
- Pump Station And Piping



Our energy group are working for following services;

- Simple And Combined Cycle Power Plants
- Cogeneration And Tri-Generation Plants
- Renewable Power Plants
- Hydroelectric Power Plants
- Heat Recovery System And Waste To Energy
- Geothermal Plants



"View of Aksa Cyprus PP Flue-Gas Desulphurisation (FGD) Project"



DEHA TECH is one of the global companies that execute characteristic and complex erection, construction and maintenance projects for the chemical industries such as copper sulphate, ammonium urea, fertilizer, sugar refinery plants. The company provides a full range of integrated services to the global oil and gas production and processing industries.

DEHA TECH expertise includes consulting and installation-erection of new chemical facilities, refineries. For many years, DEHA TECH has played a key role in chemical plant construction. In today's highly competitive market, the company's experience with a broad range of technologies and optimized plant designs sets it apart.

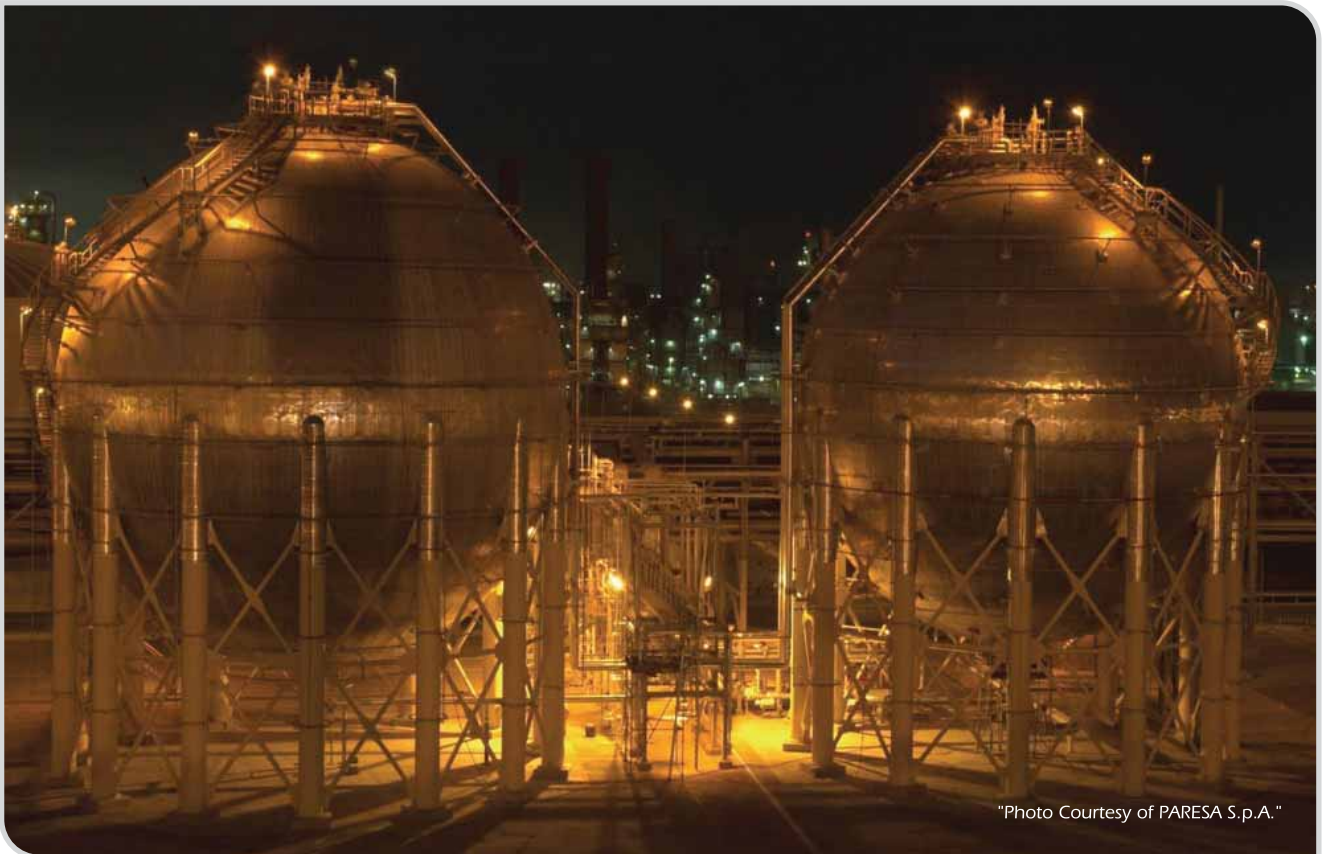
Our chemical group are working for following services;

- Sugar Refinery Plants
- Copper Sulphate Facilities
- Ammonium Urea And Fertilizer Plants





“View of Bagfas-Mekanik Group-Thyssen Krupp UHDE Fertilizer Plant Project”



"Photo Courtesy of PARESA S.p.A."

DEHA TECH is one of the global companies that execute characteristic and complex engineering, procurement, construction and maintenance projects for the petroleum oil & gas industries. The company provides a full range of integrated services to the global oil and gas production and processing industries.

DEHA TECH expertise includes consulting and design-build of new facilities, refineries, pipelines or offshore facilities. For many years, DEHA TECH has played a key role in petroleum, oil & gas plant construction. In today's highly competitive market, the company's experience with a broad range of technologies and optimized plant designs sets it apart.

DEHA TECH is representative company of PARESA S.p.A.

DEHA TECH built facilities encompass virtually every process technology available. DEHA TECH uniquely qualified to deliver optimum performance and low installed costs on both new construction and upgrades.



Large size pressure vessel systems according to ASME, AD 2000 Merkblatt, PED 97/23/EC and EN13445 standards

- Sphere Tank
- Bullet Tank
- Propane, LPG & LNG Tank
- Cryogenic Tank

#### Refinery Jobs

- Process Equipment Erection
- Pump Station And Piping
- Pipeline Installation
- Process Piping, Spool Manufacturing
- Steel Structure Manufacturing
- Refractory, Painting And Insulations



"Photo Courtesy of PARESA S.p.A."

## DEHA TECH CONSTRUCTION

DEHA TECH delivers program management, engineering, procurement and construction solutions to address the challenges of industrial and infrastructure clients. Whether the need is new construction of manufacturing facilities or refurbishment, DEHA TECH provides solutions that meet cost and schedule requirements, DEHA TECH's construction team offers services ranging from major grassroots projects to ongoing small capital improvement work. Our cost control and reporting processes can be adapted to meet your reporting formats and frequencies for up-to-date views of work in progress. And, our ISO modelled QA/QC process ensures work is performed to meet the required specifications.



### ASSEMBLY & COMMISSIONING

DEHA TECH is a leading provider of assembly, commissioning, operations and maintenance services. DEHA TECH supports cement plants, refineries, power stations, manufacturing sites, mines, metal production facilities and other industrial and commercial operations.

DEHA TECH also provides other services, including plant engineering, sustaining and small capital project execution, turnarounds and outages, specialty services. Guided by mutual alignment with client business objectives, our site teams are motivated to deliver sustainable performance improvement, productive, good lines of communication, quick decision-making, safe work habits, quality workmanship and no short cuts, are just a few of the phrases used to describe DEHA TECH's construction teams.

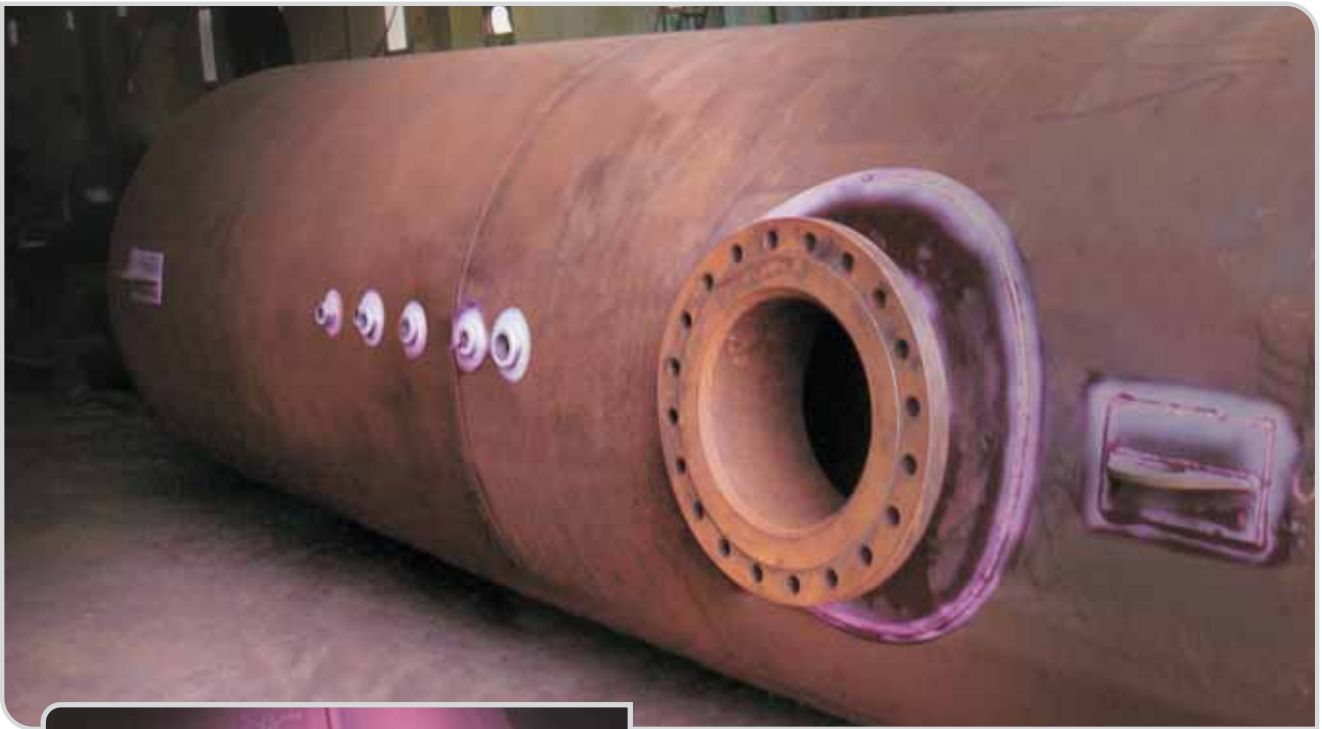


Our construction capabilities include:

- Civil & Steel Construction
- Equipment & Machinery Installation
- Commissioning, Start-Up Assistance
- Professional Mobilisation



“View of Sönmez Cement Plant Project”



Deha Tech is aware of the need to guarantee in a systematic and documented manner a level of quality to continually satisfy the requirements of its customers in an increasingly demanding market and with increasingly stringent legislation and has therefore adopted a quality system applicable to design, procurement, shop fabrication, field erection Deha Tech Quality System is certified in accordance with the requirements of EN ISO 9001 standard.



Deha Tech has following certificates;

- EN ISO 9001
- EN ISO 14001
- OHSAS 18001
- AD MERKBLATT 2000 W1,HP0
- EN 1090-1 2009 + A1
- EN ISO 3834-2





### **DEHA TECH HEADQUARTERS**

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### **GEBZE FACTORY**

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### **KARTEPE 1 FACTORY**

**Location :** Arslanbey Mahallesi, Yeşilevler Sokak,  
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### **KARTEPE 2 FACTORY**

**Location :** Arslanbey OSB Mahallesi, 3. Sokak,  
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