

ENGINEERING • MANUFACTURING • CONSTRUCTION
DELIVERING EXCELLENCE

KARTEPE MANUFACTURING FACILITY CONSTRUCTION PROJECT

CLIENT | DEHA TECH

LOCATION | KOCAELI, TÜRKİYE

COMPLETION | 2021



Project Overview

The project delivered a modern factory and administrative building infrastructure for Deha Tech in Kartepe. The facility supports heavy-industry equipment production, fabrication operations and international project delivery.

Factory and administrative building scope Industrial production area with open stock and logistics zones,

Facility infrastructure aligned with fabrication, assembly and quality-control operations



PROJECT CLIENT	LOCATION	STATUS	SERVICE	DATE
Deha Tech Machinery	Kartepe / Kocaeli, Türkiye	Completed	EPC	2021

Scope

Verified scope includes factory construction, administrative building works and industrial infrastructure required for a functional manufacturing campus.

01 Civil Works

Excavation, backfilling, reinforced concrete and industrial floor works.

02 Structural Works

Steel structure erection and supporting construction packages.

03 Building Envelope

Facade systems, waterproofing and architectural completion items.

04 Utilities & Site Works

Rainwater, wastewater, open stock area and plant-support infrastructure.



EPC DELIVERY FRAMEWORK

Engineering



Procurement



Construction



Installation



Testing & Completion

KARTEPE CONSTRUCTION JOURNEY

FROM CONSTRUCTION PROJECT TO MANUFACTURING PLATFORM



Built In Line With Deha Tech's 2021 Export Growth Targets.



Designed To Support Energy, Oil & Gas, Cement, Non-ferrous Metals, Petrochemical And Construction Sectors.



Positions Kartepe Close To Marmara-region Ports For Global Shipment Coordination.



Creates A Controlled Environment For Heavy-industry Equipment Production And Project Logistics.



01

PLANNING

Needs analysis, engineering and design development



02

CONSTRUCTION

Site preparation, civil works and structural erection



03

INSTALLATION

Mechanical, electrical and infrastructure installations



04

COMMISSIONING

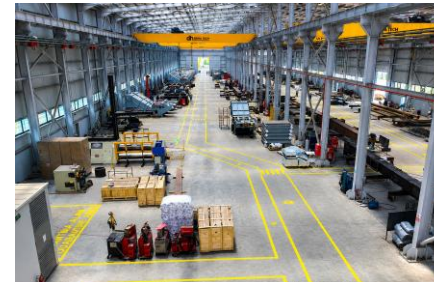
Testing, quality control and operational readiness



05

COMPLETED

Ready for production, fabrication and global project delivery



PI

PROJECT INFORMATION

BLD	Project Name	Kartepe Factory and Administrative Building
LOC	Location	Türkiye / Kocaeli / Kartepe / Arslanbey
CL	Client	Deha Tech Machinery
ST	Project Start	05/07/2020
FN	Finish Date	07/06/2021
SC	Project Scope	• 15,250 m² Land Area • 2,000 m² Administrative Building • 10,000 m² Closed Factory Area • 1,500 m² Utilities Area • 5,500 m² Open Stock Area • Machine foundations • Infrastructure works

SW

SCOPE OF WORKS

	CIVIL WORKS	UNIT	QUANTITY
EX	Excavation	m ³	12.000
RW	Rainwater and Wastewater Infrastructure	mt	2500
BF	Back Filling	m ³	15.000
FW	Form Work	m ²	7.000
RB	Rebar Ø8–Ø24	ton	400
CO	Concrete	m ³	2000
WP	Waterproofing	m ²	2500
IF	Industrial Floor Concrete (h=20cm)	m ²	16.000
SP	Sandwich Panel Erection	m ²	15.000
SF	Silicone Facade System	m ²	450
SS	Steel Structure Erection and others	ton	1200

PO

PROJECT OVERVIEW

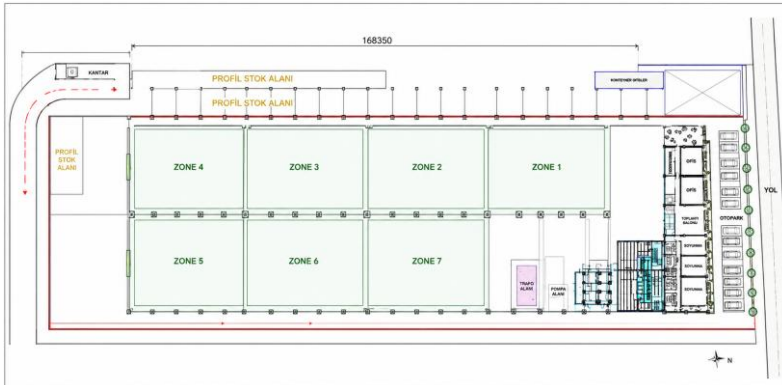


Engineering & Design

Industrial architecture connected with production visibility

- Factory and administrative areas integrated within one operational campus.
- Office spaces are positioned for coordination with workshop activities.
- Infrastructure scope includes machine foundations, facade systems, waterproofing and site utilities.
- Factory halls and crane infrastructure support heavy manufacturing workflows.

A Facility Layout Shaped Around Heavy Fabrication, Safe Movement And Process Readiness.



MANUFACTURING / FABRICATION READINESS

The project created a production base for heavy industrial equipment.



FC

KARTEPE 1
FACTORY CAPACITY

6,000 tons / year

LC

MAX LIFTING
CAPACITY

150 tons

CH

CRANE HOOK
HEIGHT

10 meters

GEAR

FACTORY CAPABILITY

ENABLED BY THE

COMPLETED INFRASTRUCTURE

EP

Energy-process modules

PV

Pressure vessels and process equipment

SS

Steel structures and bridges

HR

HRSG / power-process piping systems

PM

Precision machining services

Site Execution / Construction

Execution progressed from earthworks and foundations to steel, facade and facility completion.



Construction activities covered civil works, infrastructure, structural works, envelope systems, industrial floor concrete and administrative building completion.



EARTHWORKS

EXCAVATION

Excavation, backfilling and concrete works established the physical platform.



STRUCTURAL WORKS

STEEL STRUCTURE

Steel structure erection and sandwich panel installation formed the production hall envelope.



FACILITY COMPLETION

INFRASTRUCTURE

Rainwater, wastewater, waterproofing and facade systems supported a complete operational facility.

ADMINISTRATIVE BUILDING

Industrial floor concrete and administrative building completed the project to operational readiness.

Quality-controlled deliver environment

Quality and safety messaging is framed without unverifiable incident statistics.



QUALITY FOCUSED

Every step is executed to the highest standards.



SAFETY DRIVEN

We prioritize people and process safety at all times.



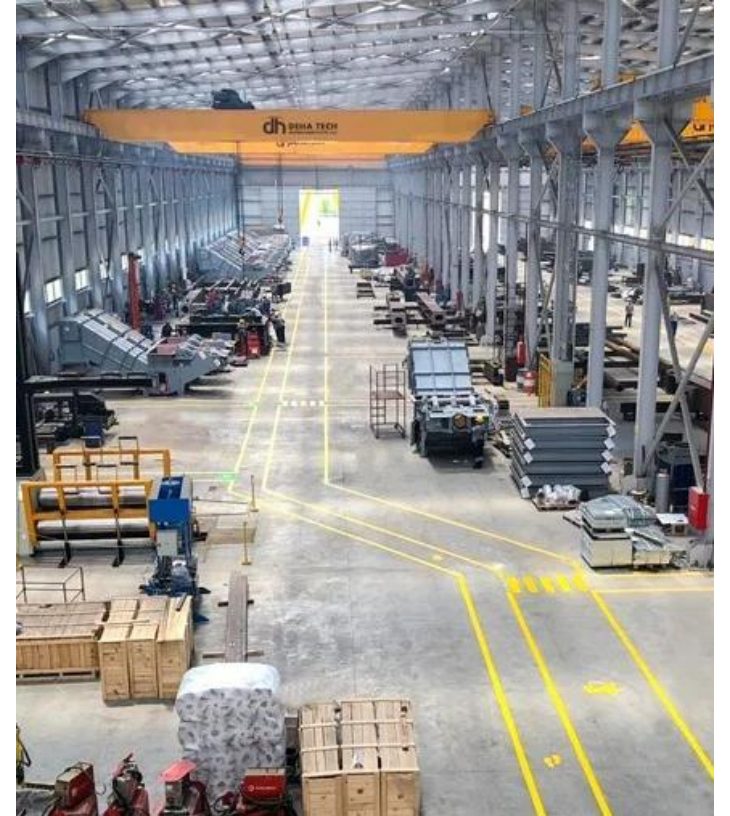
CONTROLLED PROCESSES

Integrated systems ensure consistency, traceability and compliance.



RESPONSIBLE DELIVERY

We deliver reliable results through planning, discipline and teamwork.



Deha Tech factory documentation references quality-control procedures evaluated according to international standards. Standards named in the factory presentation include **ASME, AISC, API, AS9100, AWS, ISO** and **EN** where applicable. The completed facility strengthens controlled fabrication, inspection and test preparation workflows. No public source confirms project-specific accident statistics; **none are claimed here.**

Project Milestones / Execution Flow

No unverified dates are introduced; the sequence reflects the EPC delivery logic.



EXECUTION OUTCOME

A completed Kartepe manufacturing facility supporting Deha Tech's industrial production and EPC project delivery ecosystem.

SUSTAINABILITY & PROJECT IMPACT

Impact is presented a **operational capability and local industrial value**, without unsupported environmental metrics.

01

RESPONSIBLE
OPERATIONS

02

PEOPLE
DEVELOPMENT

03

INDUSTRIAL
GROWTH



INDUSTRIAL CAPACITY

Expanded manufacturing infrastructure for global EPC projects

RESOURCE EFFICIENCY

Consolidated fabrication, inspection, logistics and project coordination on one campus

LOCAL VALUE

Supports skilled industrial activity in Kocaeli / Kartepe



DEHA TECH | EPC CALCINED PRODUCTION PLANT PROJECT FOR CIMPOR CEMENT IN ACCRA, GHANA



Photo Gallery

Construction • Administration • Manufacturing hall • Facade • Office integration • Coordination spaces



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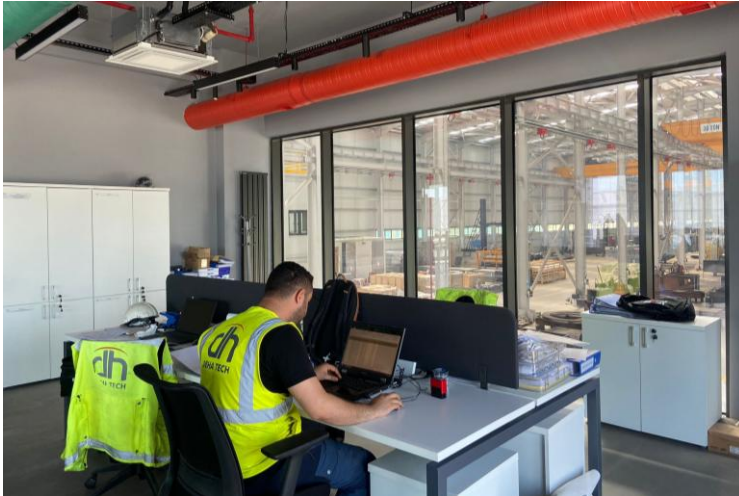
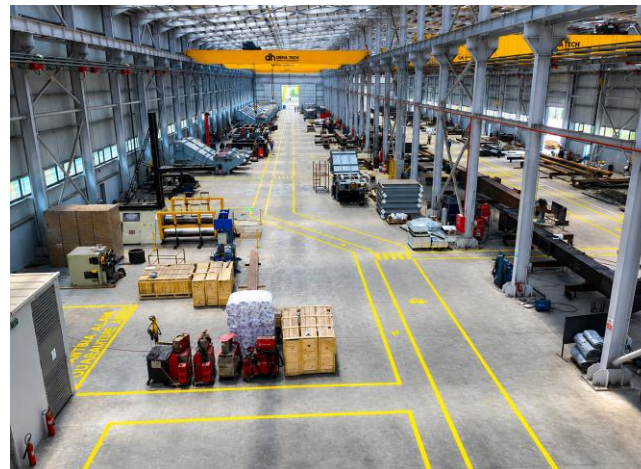
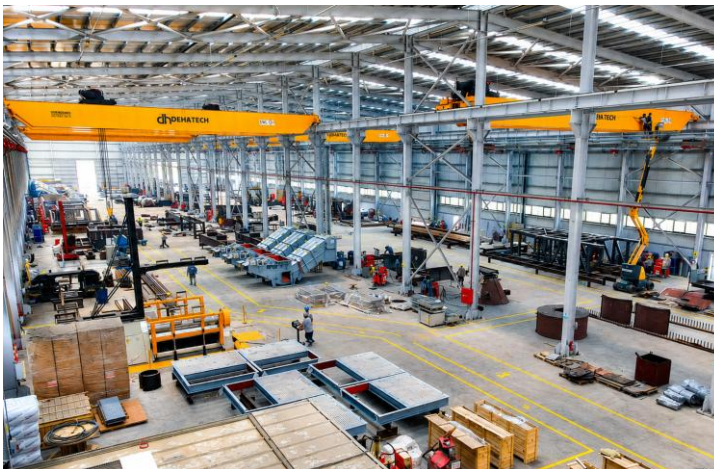


Photo Gallery

Construction • Administration • Manufacturing hall • Facade • Office integration • Coordination spaces



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THANK YOU

We appreciate your time and attention.
Let's build the future together.

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