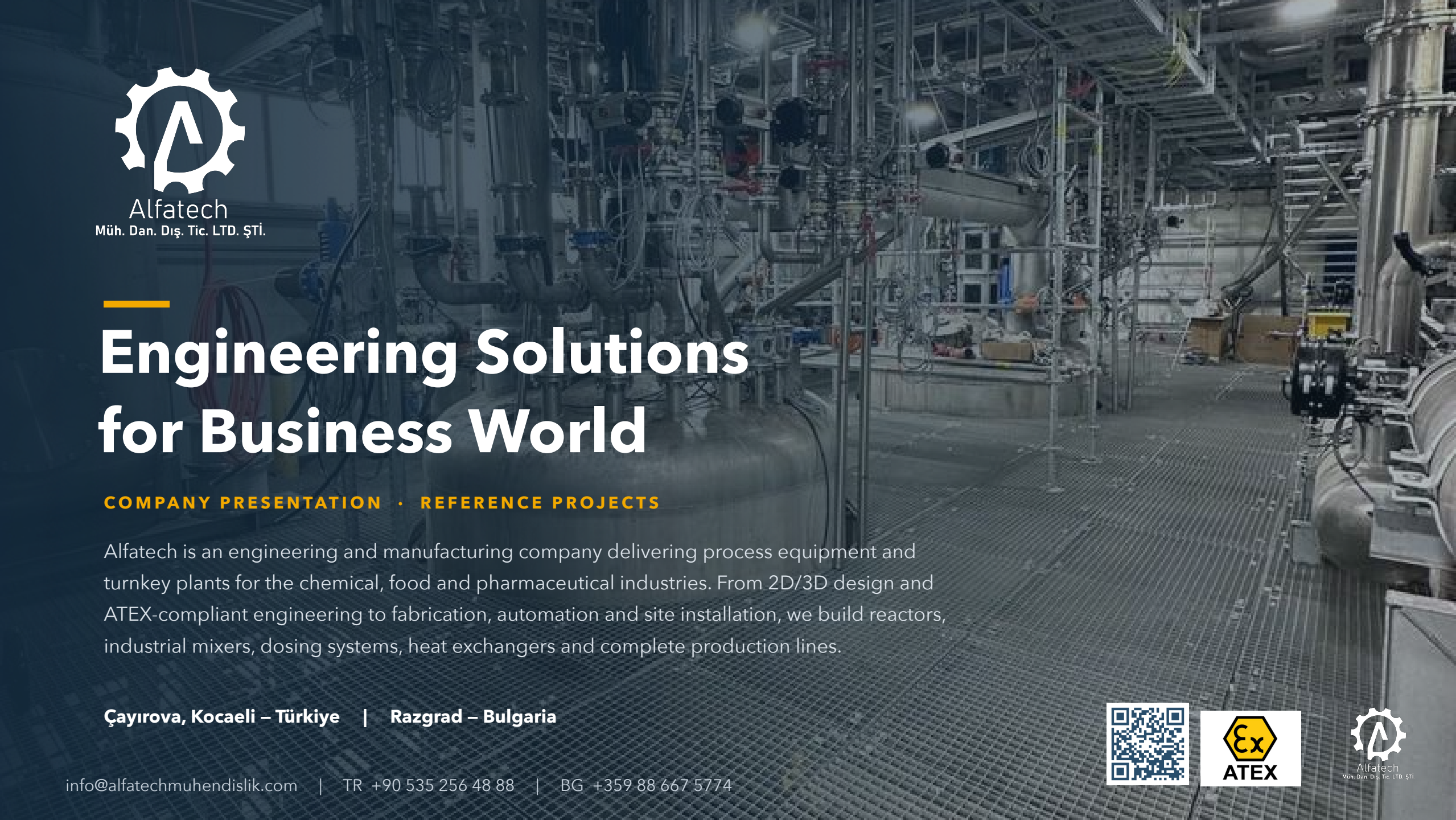


Alfatech
Müh. Dan. Dış. Tic. LTD. ŞTİ.

Engineering Solutions for Business World

COMPANY PRESENTATION · REFERENCE PROJECTS

Alfatech is an engineering and manufacturing company delivering process equipment and turnkey plants for the chemical, food and pharmaceutical industries. From 2D/3D design and ATEX-compliant engineering to fabrication, automation and site installation, we build reactors, industrial mixers, dosing systems, heat exchangers and complete production lines.

Çayırova, Kocaeli – Türkiye | Razgrad – Bulgaria

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Ex ATEX

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WHAT WE DO

Products & Services

Turnkey Plants
From process design to commissioning

Industrial Mixers
Dissolver, horizontal, planetary, basket mill

Heat Exchangers
Shell & tube exchangers

Filters & Equipment
Process filters, conveyors, tanks

Engineering Design
2D & 3D plant and equipment design

Reactors
Production & laboratory reactor systems

Dosing & Filling Systems
Liquid dosing and filling lines

Evaporation Systems
Thin film and flash box

Process Automation
Siemens-based control systems

Consultancy Services
ATEX, process and plant engineering support





01

Reactors & Process Plants

Phenolic resin · Ink · Food · Off-gas treatment







PHENOLIC RESIN PLANT

Phenol Formaldehyde Resin Plant · 32 m³ × 2

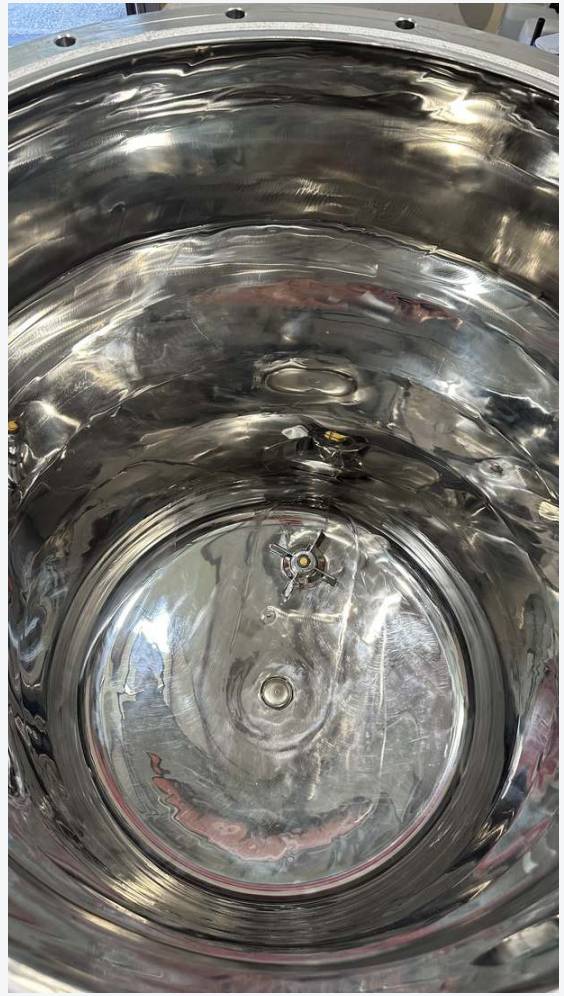
Production reactors, internals with heating coils and plant installation

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FOOD INDUSTRY · UNITED KINGDOM

Laboratory Reactor System

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INK PRODUCTION

5 m³ High-Speed Reactor

High-speed dispersing reactors for ink manufacturing. Certified AISI 304 / 316L stainless steel, with jacket or half-pipe coils for heating and cooling.

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PROCESS SYSTEMS

Precise Production Reactor System

Efficient agitation, mixing and heat transfer for chemical and pharmaceutical reaction processes. Built to international standards in certified stainless steel.

07

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PHENOLIC RESIN PLANT · ENVIRONMENTAL

Off-Gas Separator & Scrubber System

Off-gas separation and air cleaning (scrubber) systems

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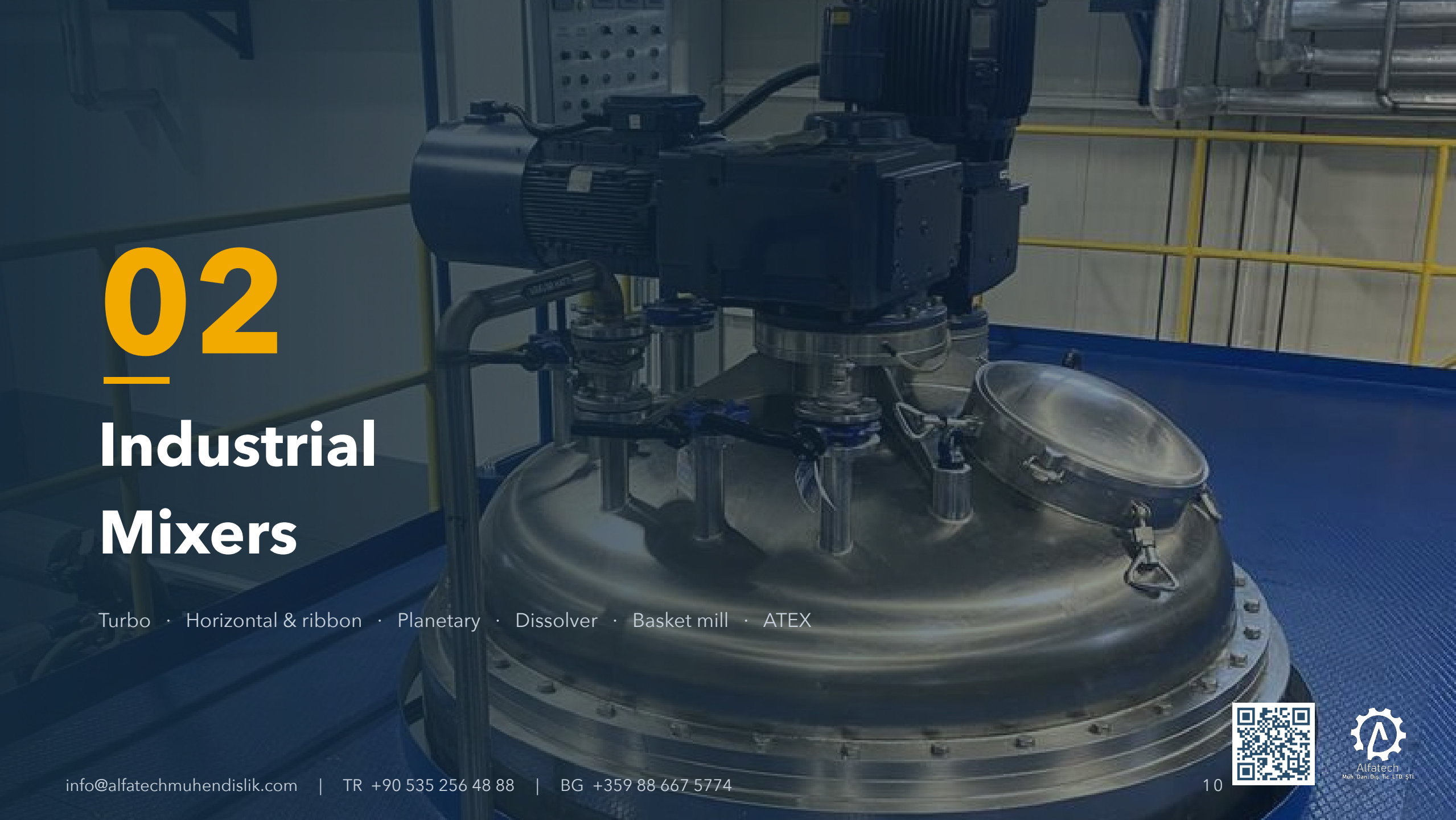
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REACTORS & VESSELS

Reactor Systems



02

Industrial Mixers

Turbo · Horizontal & ribbon · Planetary · Dissolver · Basket mill · ATEX









MIXING TECHNOLOGY

Turbo Mixer







MIXING TECHNOLOGY

Horizontal & Ribbon Mixers

Horizontal mixer delivered to Qatar (left) and ribbon mixer configurations



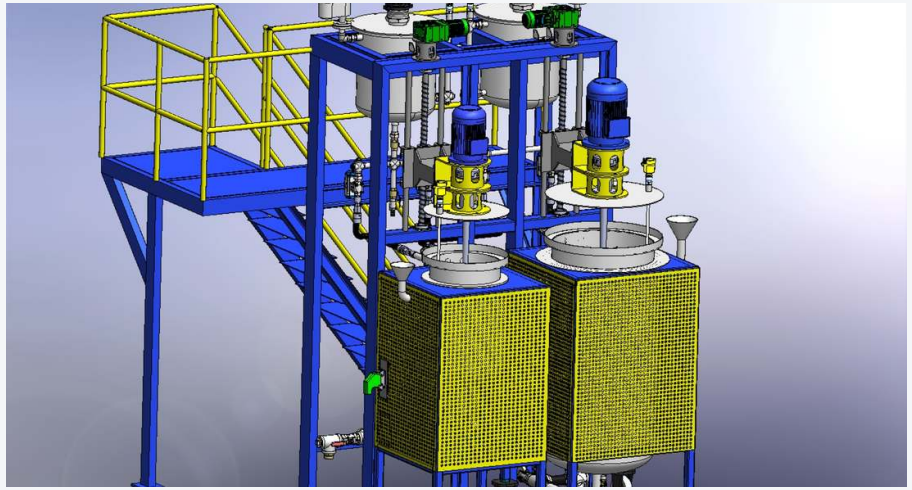


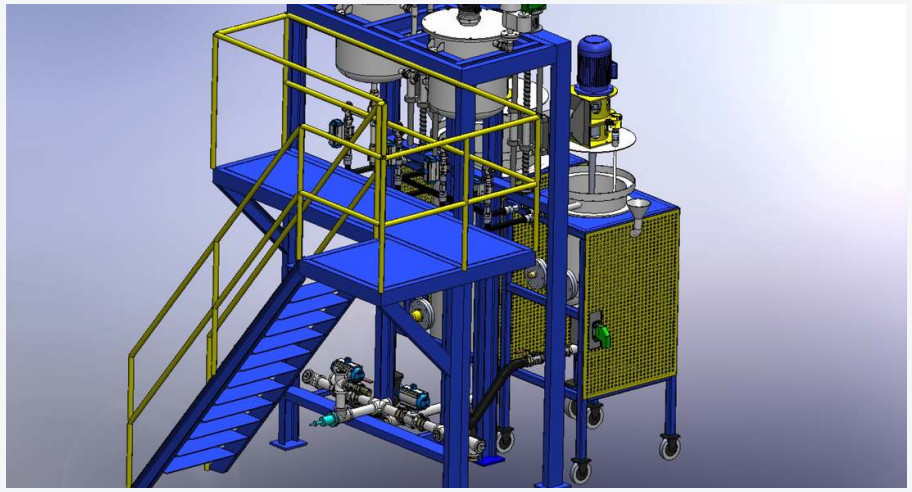


MIXING TECHNOLOGY

Planetary, Dissolver & Basket Mill

Double planetary mixer · Dissolver mixer · Grinding mixer (basket mill)









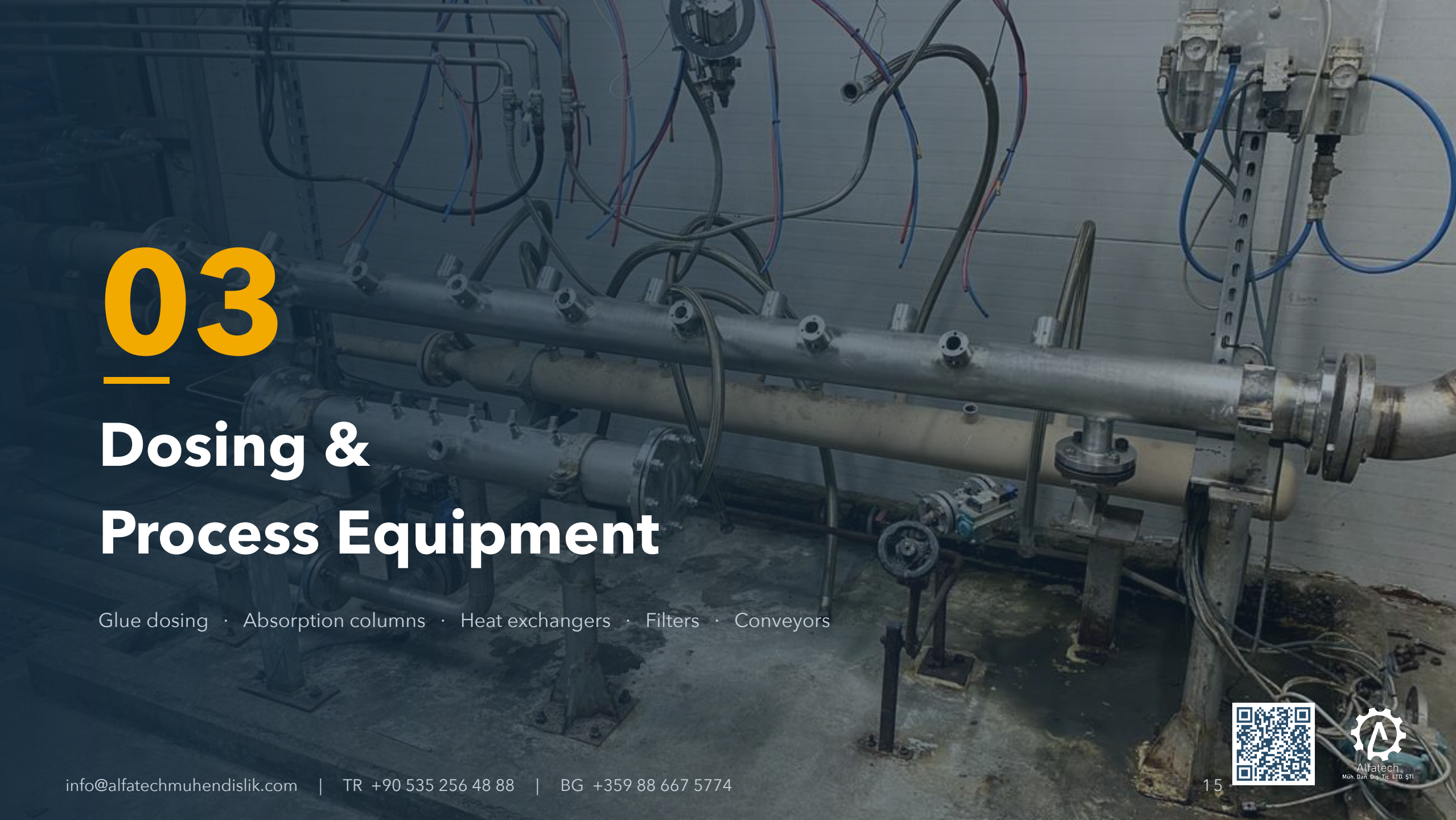
FROM 3D DESIGN TO DELIVERY

ATEX Automatic Level-Adjusted Mixer

Explosion-proof (ATEX) design, engineered in 3D and built to drawing

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03

Dosing & Process Equipment

Glue dosing · Absorption columns · Heat exchangers · Filters · Conveyors





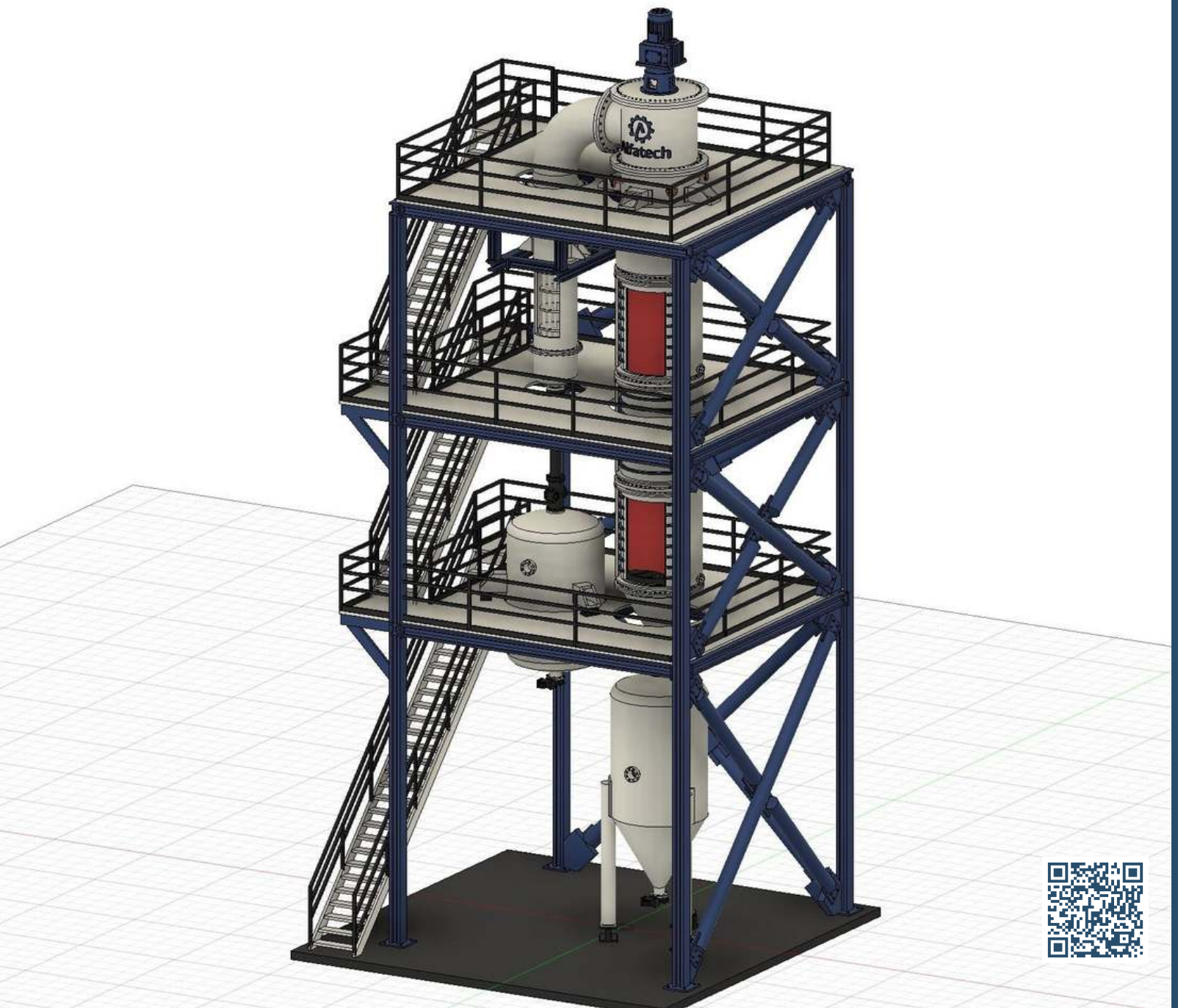




MDF PRODUCTION · BULGARIA

Glue Dosing System

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EVAPORATION SYSTEMS · WTFE

Wiped Thin Film Evaporator

How it works

The feed enters at the top and a rotor with wiper blades spreads it as a thin, turbulent film over the heated wall. Volatiles evaporate within seconds, usually under vacuum, and are condensed; the concentrate flows down and leaves at the bottom. Short residence time means low thermal stress on the product.

Applications

Heat-sensitive, viscous or fouling products: solvent recovery, pharmaceutical and fine chemicals, resins and polymers, glycerine, edible oils and fatty acids.

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PROCESS EQUIPMENT

Absorption Columns

Fabrication and site delivery

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PROCESS EQUIPMENT

Heat Exchangers

Shell & tube heat exchangers





PROCESS EQUIPMENT

Filters & Screw Conveyors



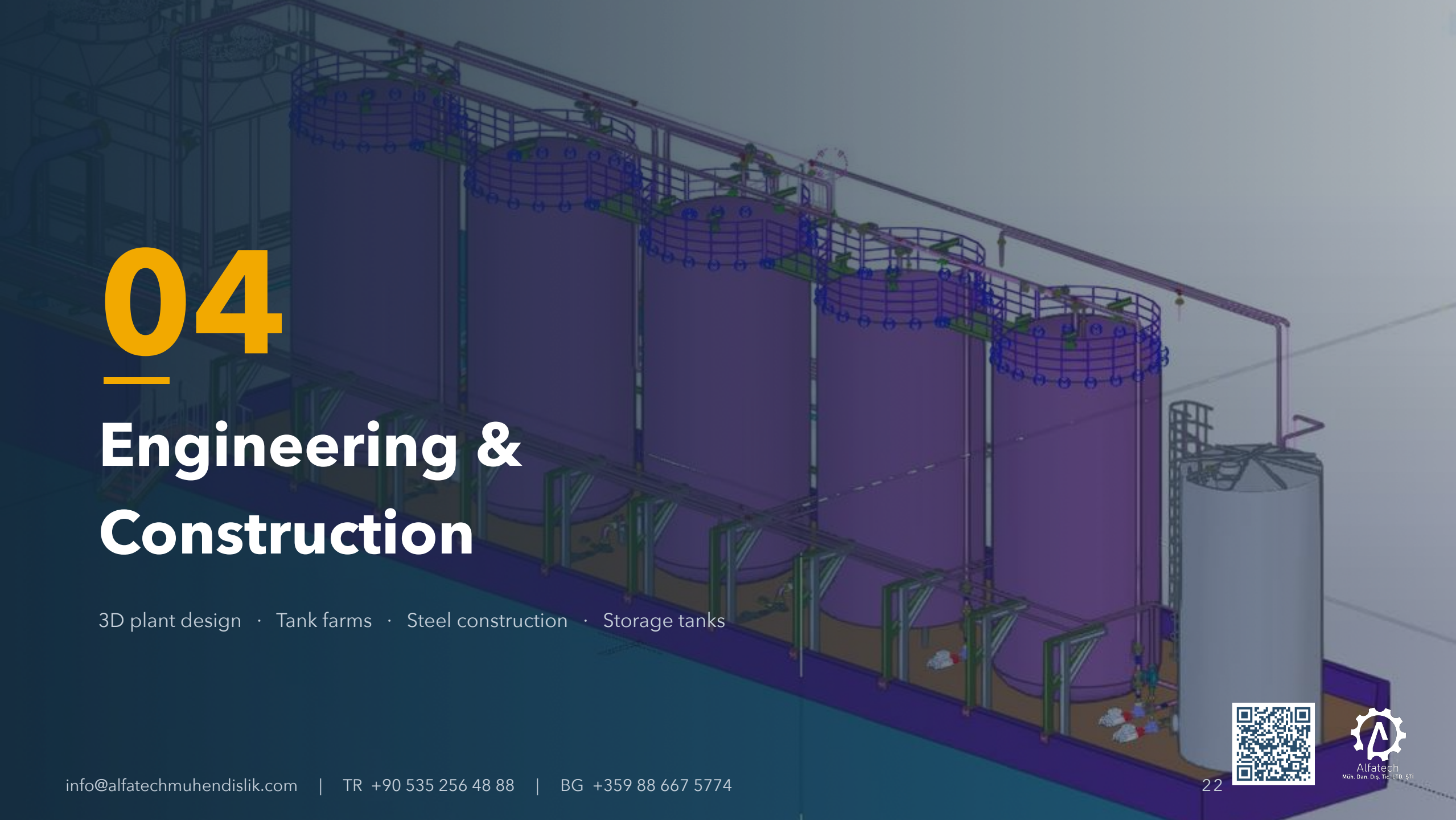




PROCESS EQUIPMENT

Pump & Filter Skid · Mobile Vessel

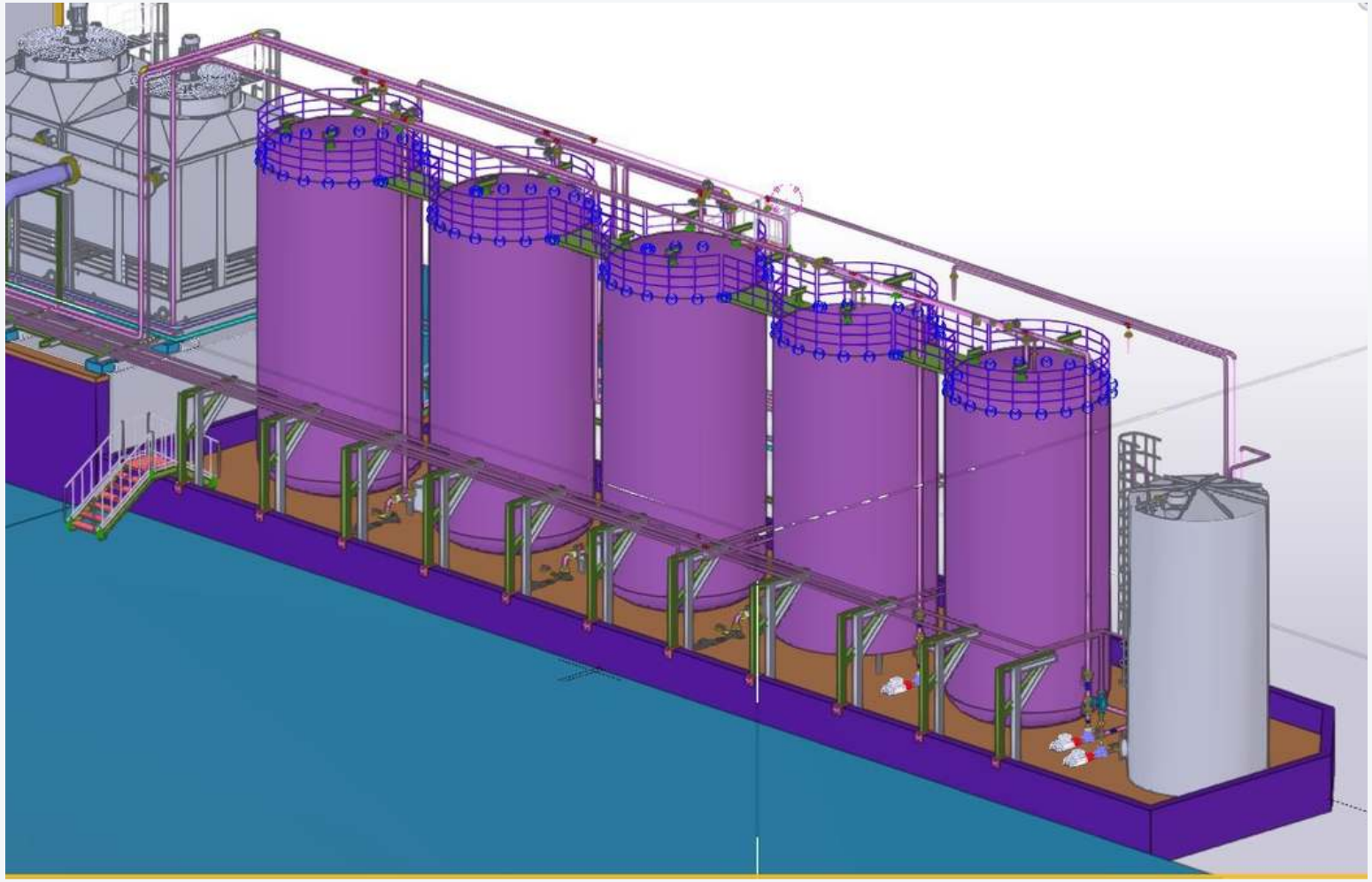
Mobile pump & filter skid (left) and stainless steel mobile vessel



04

Engineering & Construction

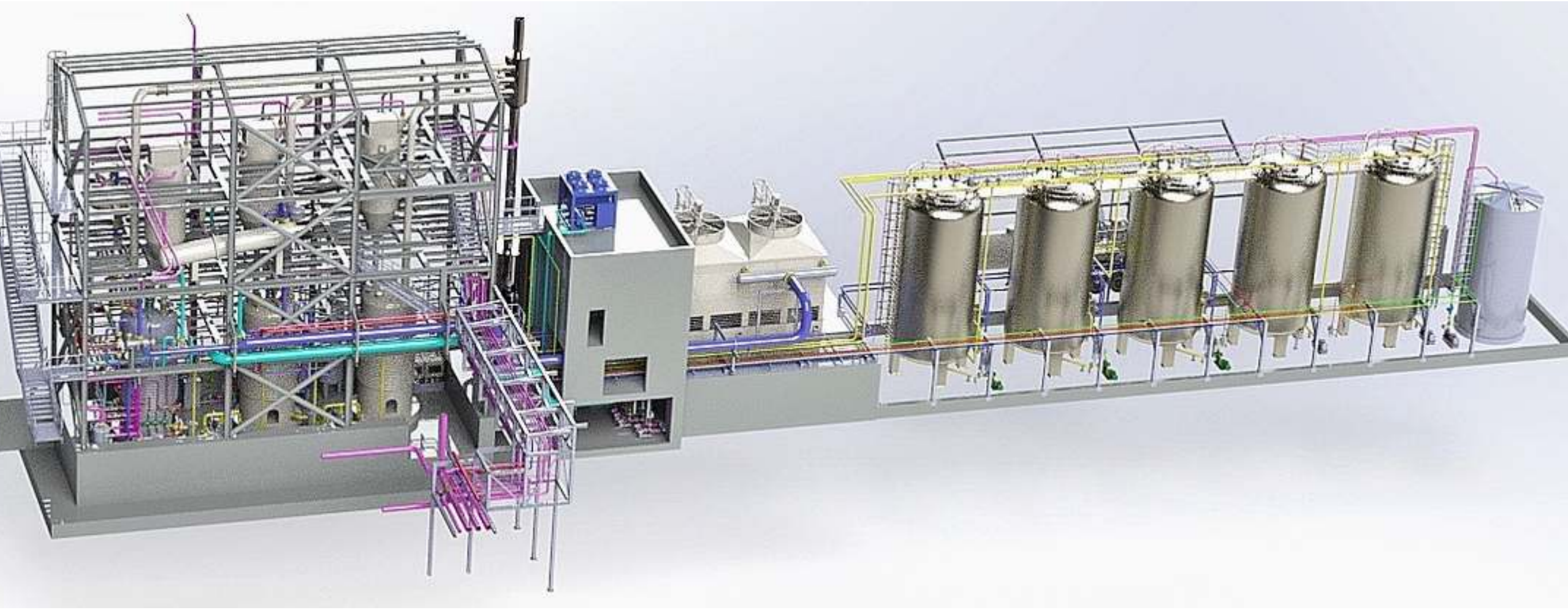
3D plant design · Tank farms · Steel construction · Storage tanks





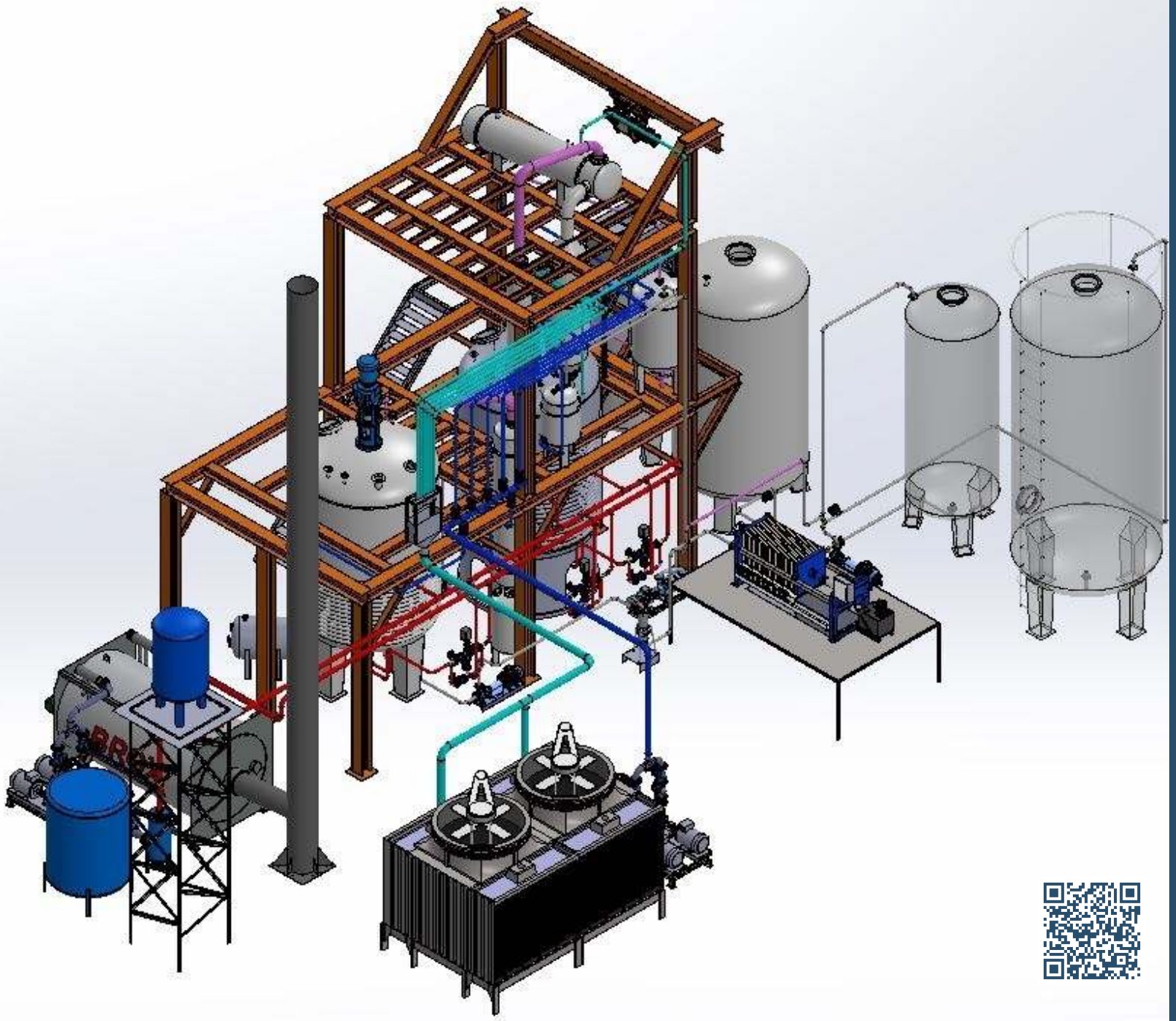
FROM 3D DESIGN TO SITE

Tank Farm · 5 × 100 m³



ENGINEERING DESIGN

3D Design of Phenolic Resin Plant



ENGINEERING DESIGN

3D Polyester Plant

Complete plant engineered in 2D & 3D, from process design and detailed engineering to manufacturing, installation, automation and commissioning.

25

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CONSTRUCTION

Steel Construction

STORAGE

Stainless Steel Storage Tanks

Liquid storage tanks in different sizes and efficient designs, with product transfer via pumps or stainless valves and optional load cells for quantity measurement.



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Let's work together

TÜRKİYE

Çayırova, Kocaeli
+90 535 256 48 88

BULGARIA

Razgrad
+359 88 667 5774

info@alfatechmuhendislik.com
www.alfatechmuhendislik.com