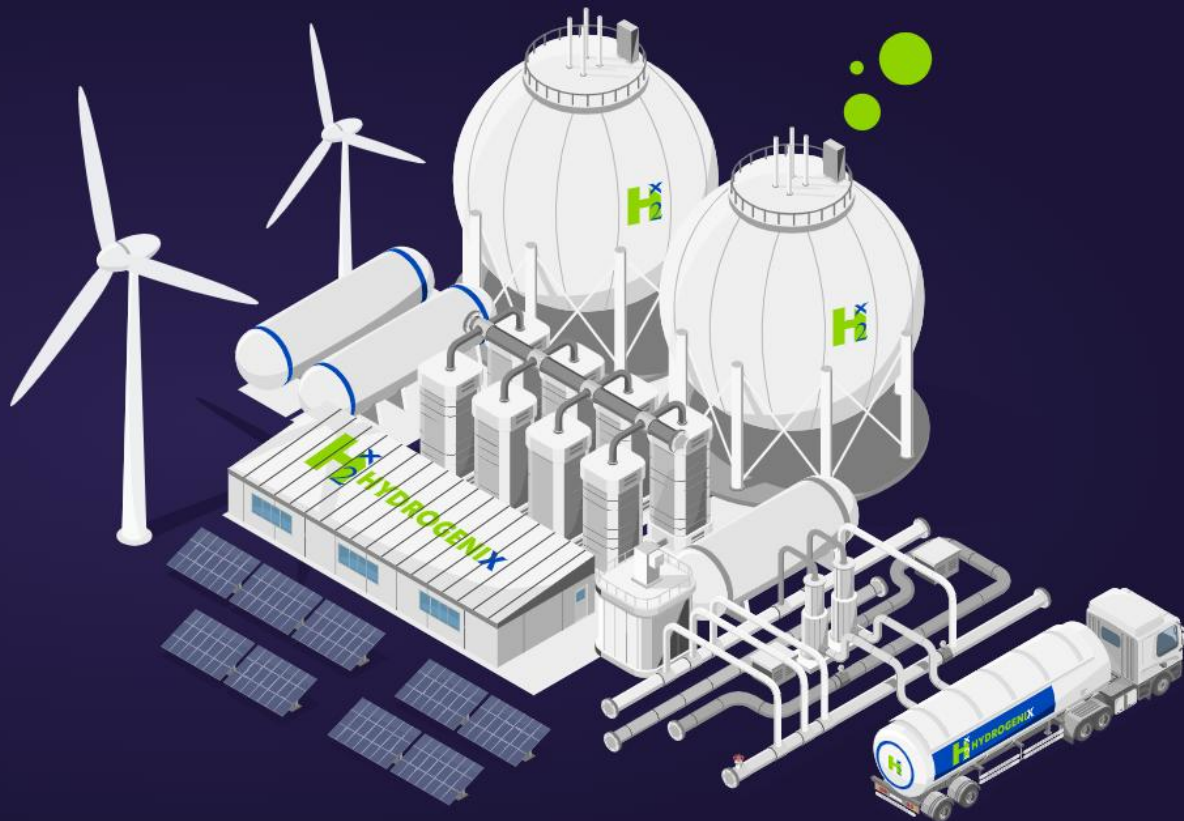




One-stop shop for
Net Zero Carbon



GROUP HISTORY



1980

Emsaş Group Founded

International Construction EPC+F



KLAUS & MILLER
Renewable Energy Systems

2022

Klaus&Miller Founded

Energy EPC with Solar power plant
experience



2023

Hydrogenix Founded

Green Hydrogen EPC+F

GREEN EPC+F SERVICES

Hydrogenix is an **EPC+Finance** company that is focused on developing and building Hydrogen production facilities in Türkiye to accelerate Türkiye's Decarbonization Efforts with zero waste.

Feasibility & Engineering

Expert for providing feasibility studies and optimizing technology solutions (PEM, ALK, AEM, etc.).

Turn-key Facilities

Green Hydrogen production plants powered by green energy (solar, wind).

End-to-End Integration

Comprehensive hydrogen technology integration services tailored for different industries and H₂ Fueling

Carbon Capture Technology

Advanced carbon capture solutions

WHY NOW?

The EU Carbon Border Adjustment Mechanism (CBAM)

The EU's carbon-pricing framework is designed to reduce carbon emissions, and it accounts for the embedded emissions from manufacturing of goods imported to Europe.

- Mandatory reporting for high-carbon sectors.
- Tax payment burden depending on carbon emissions.

Source: European Commission, Carbon Border Adjustment Mechanism (CBAM)

CARBON TAX

Impact on Turkish Exporters

For Türkiye-based exporters, decarbonization is moving from a sustainability ambition to a **market-access requirement**

Hydrogenix can help you with:

- ✓ Direct impact on competitiveness in the EU market.
- ✓ Reducing carbon intensity through Green H2.
- ✓ Measuring product-level emissions.

WHY NOW? THE GREEN BACKBONE

EU's TEN-T is building the Green Backbone and Türkiye is a part of this roadmap

- **Hydrogen refueling every 200 km** is now a mandate under AFIR.
- **More Than Just Refueling:** A network linking production, storage, and industrial demand.
- **Over 1,000 stations** planned across Europe by 2030.
- **50–60 hydrogen stations** planned along Turkish TEN-T corridors.
- **Strategic Energy Link:** Positioning at the heart of the east–west hydrogen corridor.



WHY NOW? Türkiye's 2053 Net Zero Carbon & Waste Vision.

Türkiye has committed to a deep green transformation, positioning **Green Hydrogen** as a strategic pillar for industrial competitiveness and energy independence with net zero carbon & waste vision.

Climate Commitment

2053 Net Zero carbon target and a 41% emission reduction pledge by 2030.

National Green Energy Strategy

Türkiye has announced a Hydrogen Technologies Strategy and Roadmap focused on wind and solar integration in 2023.

Industrial Hub

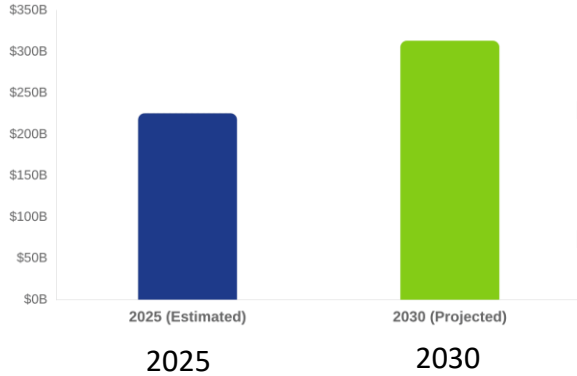
Connecting high renewable potential to complex industrial value chains with processes that use hydrogen.

Export Readiness

Preparing the manufacturing sector for the EU Green Deal and CBAM accountability.

GLOBAL HYDROGEN MARKET TREND & TÜRKİYE

As renewables become mainstream, Green Hydrogen presents itself more feasible every year.

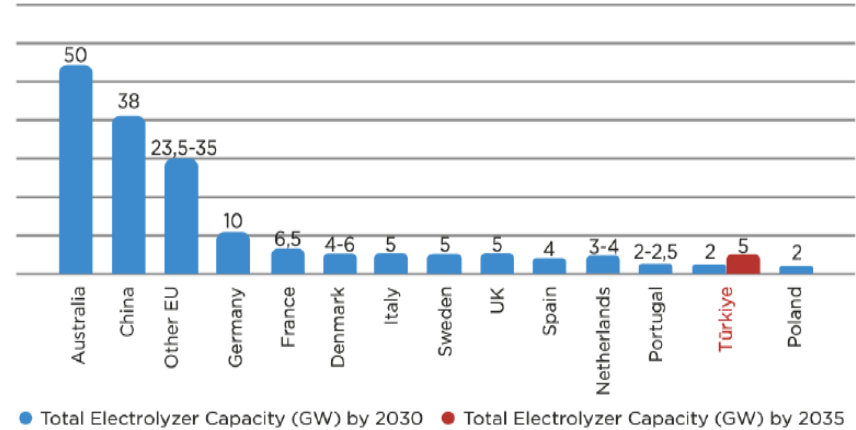


\$312.90B

ESTIMATED MARKET BY 2030

6.8%

PROJECTED CAGR



Source: MarketsandMarkets, "Hydrogen Market worth \$312.90 billion by 2030" (Aug 2025),

THE **HYDROGENIX** ADVANTAGE

From vision to bankable projects.

Hydrogenix acts as a global EPC+Finance company—connecting strategy, finance, technology and execution into one accountable delivery model.

01 / DISCOVER

Define the opportunity

Demand, site, renewable resource and offtake case.

03 / FINANCE

Mobilize capital

Structure financing and find optimal funding solutions.

05 / CONNECT

Assemble ecosystem

Select integrators, suppliers and qualified providers.

02 / DE-RISK

Build feasibility

Technology screening, business case and permitting path.

04 / ENGINEER

Design the system

Develop the integrated system and execution plan.

06 / DELIVER

Build & commission

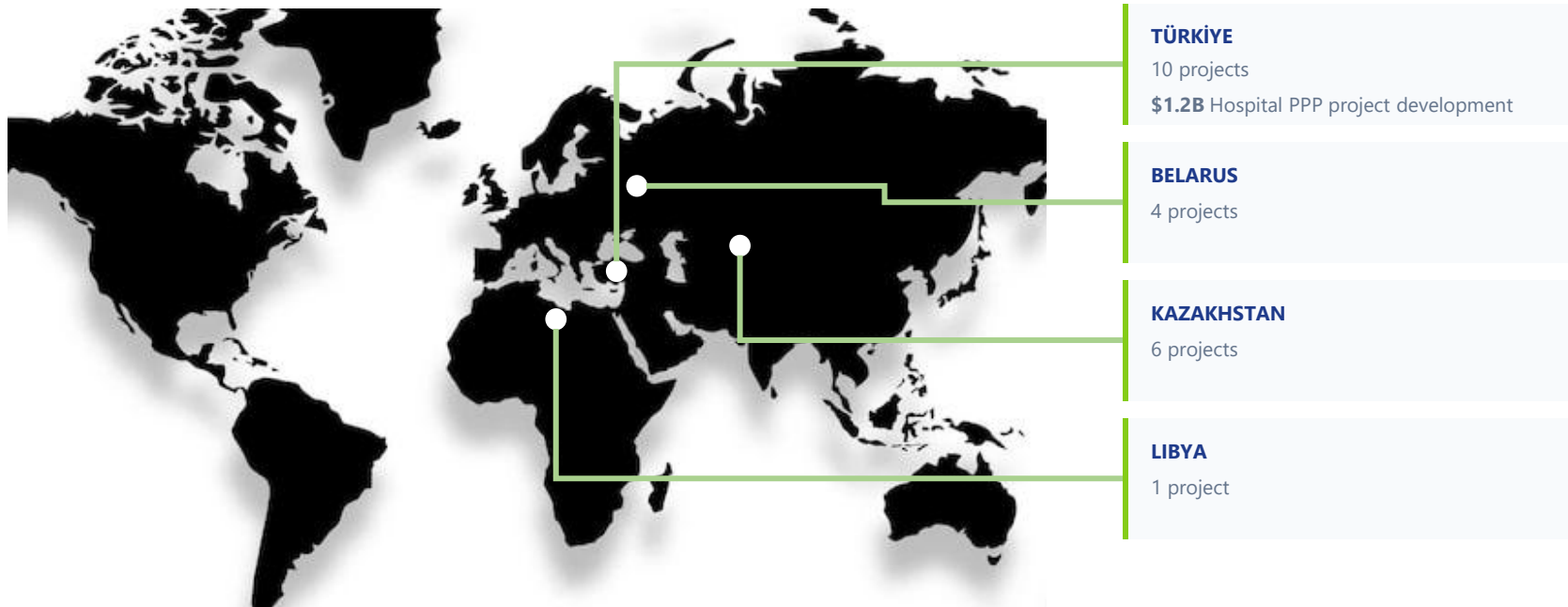
Deliver as EPC contractor with full accountability.

46 years of group experience behind every delivery.



EMSAŞ GROUP — GLOBAL TRACK RECORD

Hydrogenix is powered by 46 years of Emsaş group experience across Türkiye, Europe, Central Asia and North Africa.



Project counts and values are illustrative placeholders pending verification of Emsaş Group project data.

INDUSTRY PRESENCE

Hydrogenix participates in strategic global discussions on EU CBAM readiness and Türkiye's role in the hydrogen highway.



Hannover, Germany
EXHIBITOR



Rotterdam, Netherlands
EXHIBITOR



İstanbul, Türkiye
SPONSOR & SPEAKER



İstanbul, Türkiye
SPONSOR, SPEAKER, EXHIBITOR

ACADEMIC COLLABORATIONS & SPONSORSHIPS

Hydrogenix has partnered with reputable universities in Türkiye to further solidify its presence in the Hydrogen energy industry.

Applied R&D

Focusing on electrolysis efficiency, renewable integration, and advanced storage optimization.

Sponsorships

Joint workshops, sponsored research, student club activities.



UNIVERSITY PARTNERS



SPONSORSHIPS



KTÜ HYDROGENIX K-Tech Racing Team Since 2024
Paris & Poland

HYDROGENIX TEAM



Ali Rıza ARSLAN

CHAIRMAN



Mehmet Fatih ARSLAN

BOARD MEMBER



Ahmet Yesevi ARSLAN

**BOARD MEMBER,
HEAD OF ENGINEERING**



Asena Selçuk

**STRATEGY & BUSINESS
DEVELOPMENT DIRECTOR**
