

PRESENTATION TITLE (OPTIONAL)

Técnicas Reunidas, Juan Antonio González
EPC Company. >60 years of experience in Energy, O&G and Infrastructure
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1. Your organization and capacities

NUMBERS

60 years of continued Growth	10.000 professionals of over 70 nationalities
60 countries where we have operated	+\$50 billion in projects in the last 10 years
More than 1,000 industrial plants	Safety Performance / Zero Incident Target
92.2/100 Project quality index (PQI)	~30 B\$ value of projects in execution



TECNICAS REUNIDAS

Tecnicas Reunidas is specialized in the design and management of the construction of industrial plant projects throughout the world, with almost **60** year of experience.

SERVICES

Conceptual analysis of opportunities, prefeasibility studies
Basic Engineering
FEED
Detail Engineering
OBE- Open Book Estimate
EPC
PMC – Project Management Consultant
Construction, Assembly and Commissioning
Collaboration in financial structuration
Research & Development

EXPERIENCE

Blue H₂:

- Combined H₂ production and CO₂ capture



H₂ USE AND INTEGRATION



Sustainable Fuels:

- Biogas to HVO/SAF integrated with H₂ Solar Reforming



Combustion:

- Decarbonization of Ceramic Industry



Adsorption Technology:

- Gas Separation
- Pressure Swing Adsorbers



Plastic to Olefin:

- Circular olefins production from waste feed



Steel Production:

- DRI, Reduction Furnace Decarbonization

About Tecnicas Reunidas – Heat Transfer Division

TR TECHNICAL - CONTRACTOR AND SUPPLIER OF TECHNOLOGIES, SPECIALIZED IN HEAT TRANSFER, PROCESS MODULAR UNITS AND ENERGY TRANSITION SOLUTIONS.



430 Engineers

>18 PhD

3 R&D and Technology Centers

Avg 90 Projects per Year

>50% Recurrent Clients

Business Model

Support Clients to develop Technologies and Solutions to drive the Decarbonization of our Industry

- PDP
- FEASIBILITY
- FEED
- PILOT AND DEMO
- EQUIPMENT DESIGN AND SUPPLY
- EPC
- EPCm

Disciplines and Engineering Capabilities

- CFD & FEM Analysis
- Kinetic calculations
- Chemical Reaction
- Process Simulation
- Process Engineering
- Hydraulic calculations
- Thermal Design
- Mechanical Engineering
- Piping and stress analysis
- Metallurgy
- E&I Engineering
- QA/QC
- Civil Engineering
- HSE
- Facilities Engineering
- Construction
- Commissioning

2. Topics of interest in call 2026

Topic	Experience and Contribution
<i>HORIZON-JU-CLEANH2-2026-01-03: Improved components and tools to increase the safety of electrolysers</i>	<p data-bbox="1420 461 1785 714">EXP: Misiones CDTI (SHINEFLEET & ZEPPELIN), HE H2SHIFT: H₂ production, reformer technologies, electrolysers, PSA.</p> <p data-bbox="1420 856 1785 935">CON: Engineering, Procurement,</p>
<i>HORIZON-JU-CLEANH2-2026-03-01: Integration of control & monitoring tools and strategies for improved Fuel Cell System durability & reliability</i>	
<i>HORIZON-JU-CLEANH2-2026-01-05: Sustainable hydrogen production from renewable gases and biogenic waste sources through innovative modular reactor design, process intensification and integration</i>	
<i>HORIZON-JU-CLEANH2-2026-04-03: Fuel-flexible gas turbine combustion technology for clean and efficient ammonia firing</i>	
<i>HORIZON-JU-CLEANH2-2026-01-02: Cost-efficient and reliable designs towards gigawatt-scale electrolytic hydrogen production plants.</i>	
<i>HORIZON-JU-CLEANH2-2026-01-01: Development and validation of innovative approaches, catalysts, electrolytes and components for electrolysis technologies based on low-quality water</i>	
<i>HORIZON-JU-CLEANH2-2026-06-01: Large-scale Hydrogen Valley</i>	