



GLI ELETTROLIZZATORI E LA LORO FILIERA

Come si caratterizza l'industria italiana: dove siamo oggi e quale è il futuro

Seingim Engineering Group

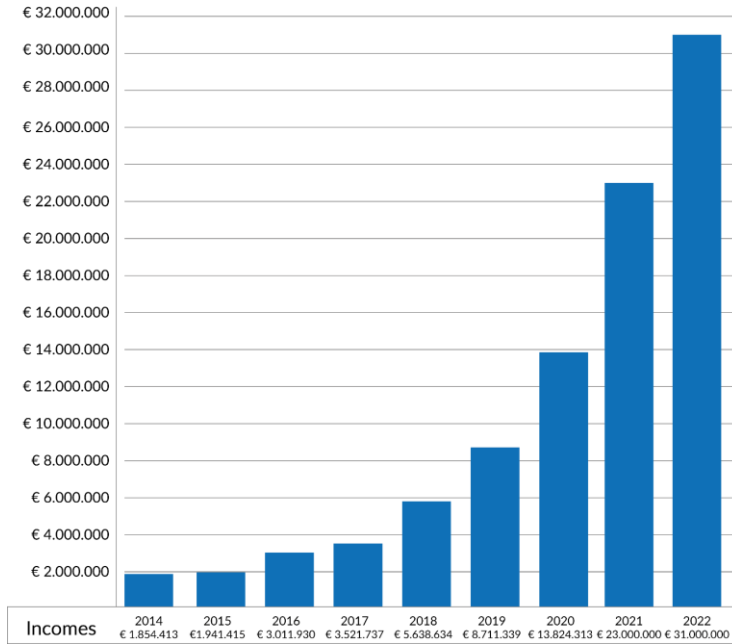
capacità ed esperienze

SEINGIM per Hydrogen Expo

Giovedì 9 giugno 2022

COMPANY DATA

SEINGIM GROUP



ISO 9001 - Quality
 ISO 45001 - Health and safety
 ISO 50001 - Energy
 ISO 14001 - Environment



Establishment 27/04/1999



Head Office Vicolo degli Olmi, 57
 30022 Ceggia (VE) Italia



Revenue 2021 € 23.000.000,00

OPERATING OFFICES

Ceggia Fano
 Milano Cagliari
 Padova Roma
 Genova Vibo-Valentia
 Torino Catania
 Bolzano Taranto
 Ispra
 Trieste +1 branch - Kazakhstan
 Udine



TECHNICAL CAPACITY

SEINGIM GROUP



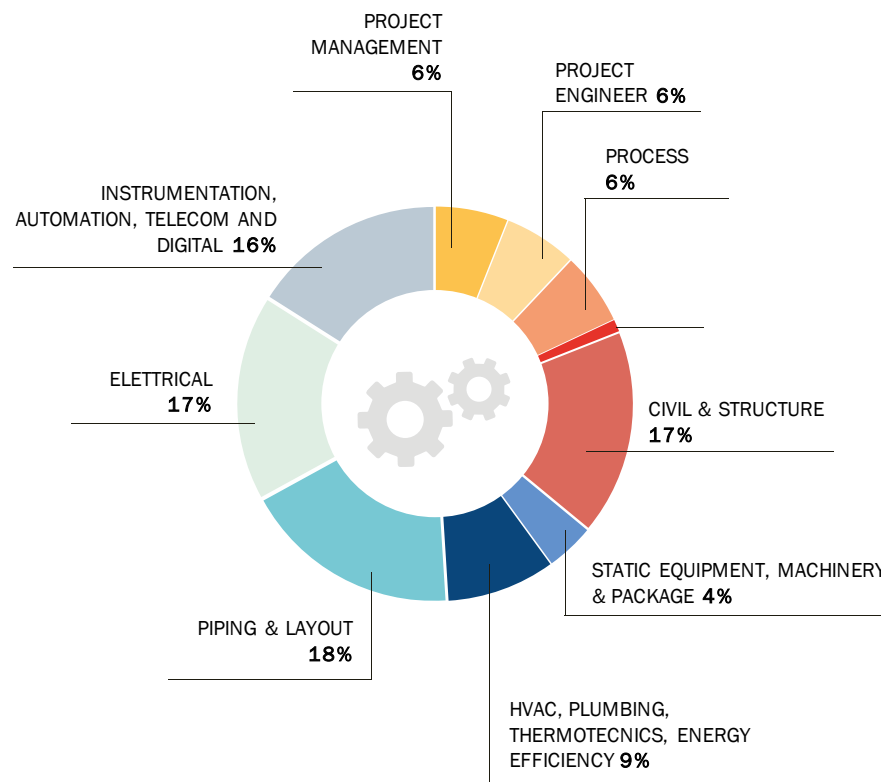
Available internal resources generate an amount of **605,440 hours/year**.

The additional hours, up to a total of **780,000 hours/year** can be mobilized at short notice thanks to subcontracting agreements with our qualified engineering partners with proven management and technical skills.

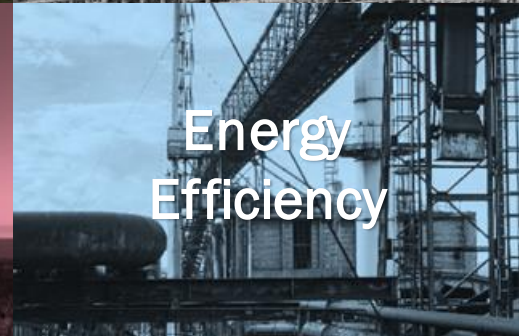
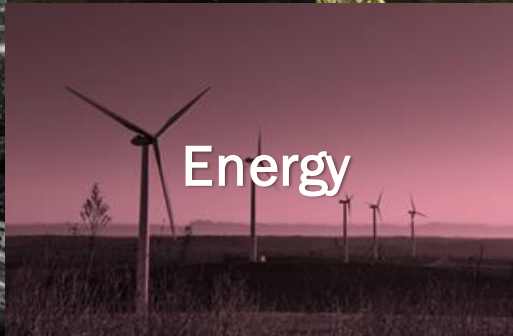
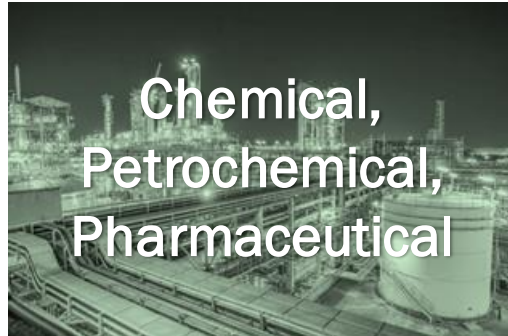
**780.000
HOURS***

* Including 10.000 hours of
Research & Development

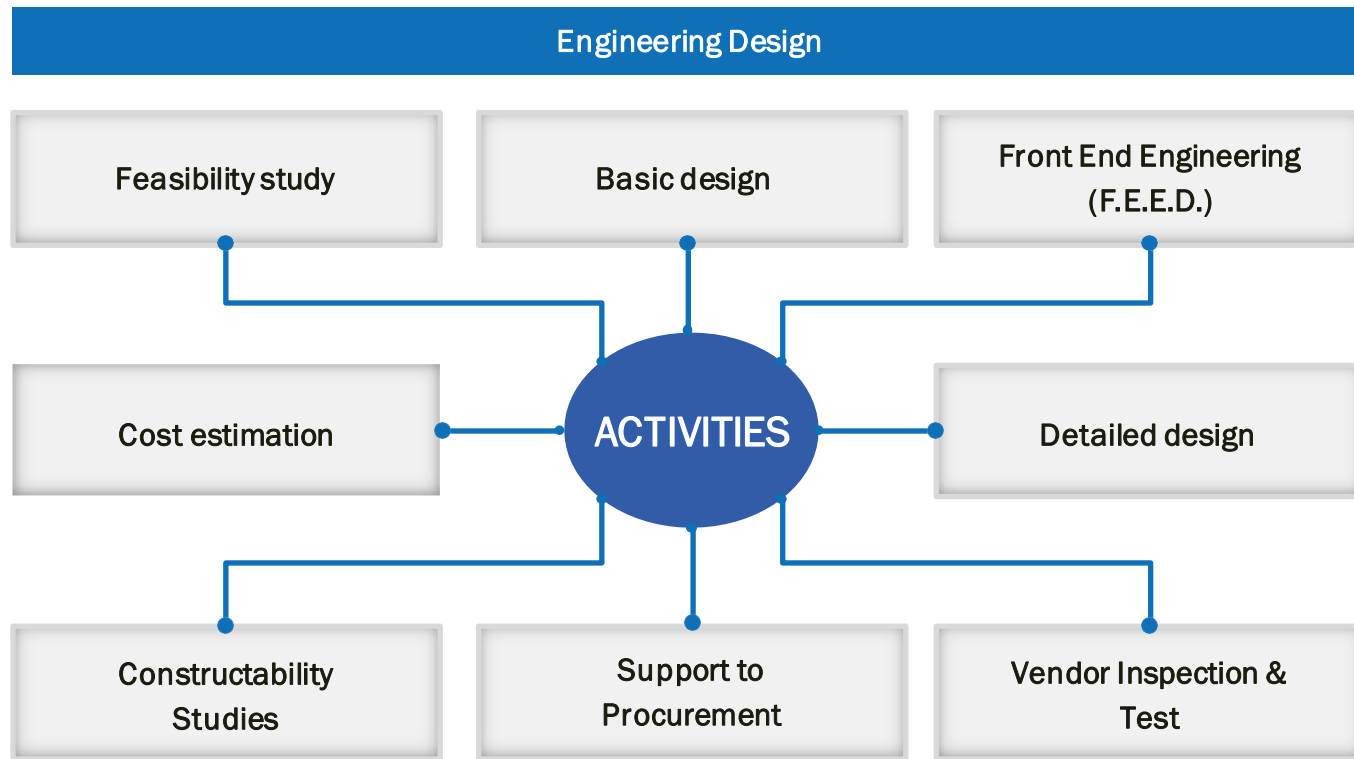
93.000 ORE	PROJECT MANAGEMENT
57.000 ORE	PROCESS & HSE ENGINEERING
136.000 ORE	CIVIL & STRUCTURE ENGINEERING
100.000 ORE	MECCANICA/MACCHINE, HVAC
137.000 ORE	PIPING & LAYOUT
136.000 ORE	ELECTRICAL ENGINEERING
121.000 ORE	INGEGNERIA STRUMENTAZIONE, AUTOMAZIONE, TELECOMUNICAZIONI



BUSINESS SECTORS



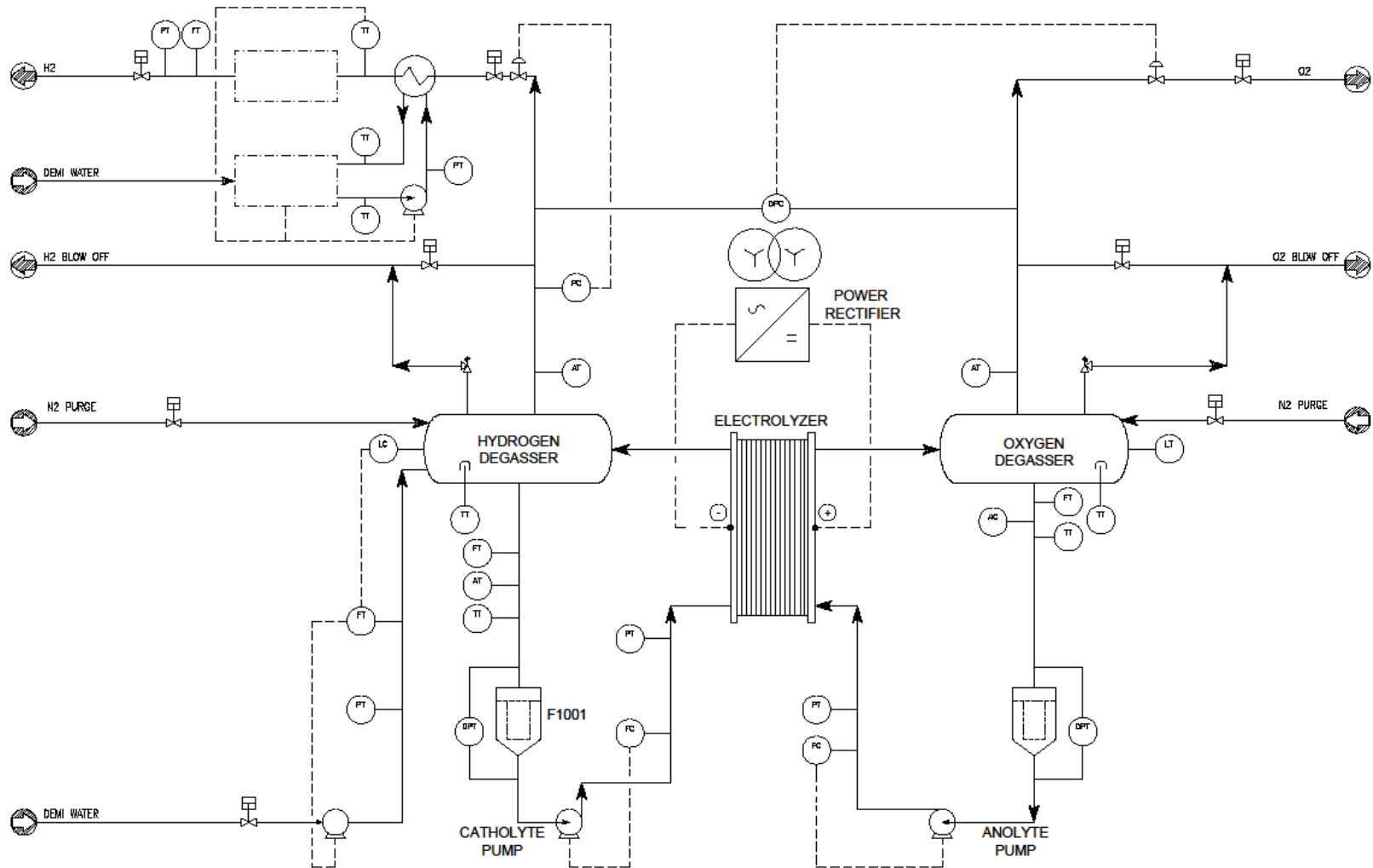
ACTIVITIES IN DETAIL



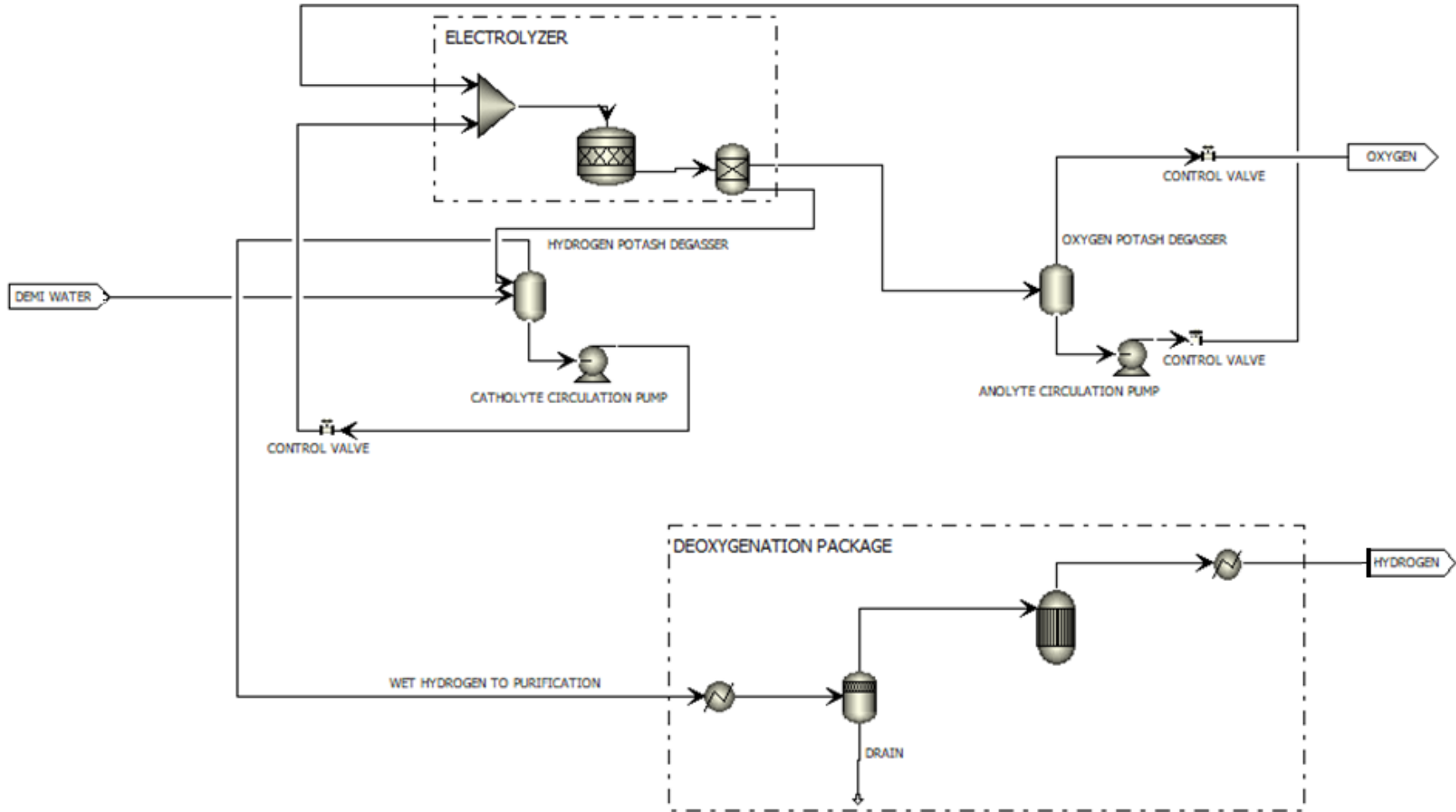
EXPERIENCES IN THE DESIGN OF ELECTROLYZERS AND GREEN HYDROGEN PLANTS



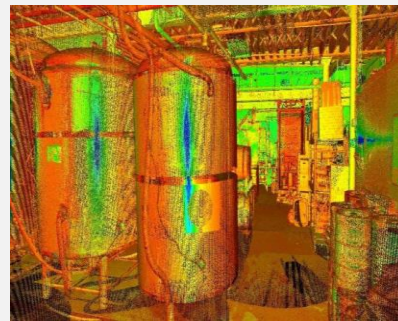
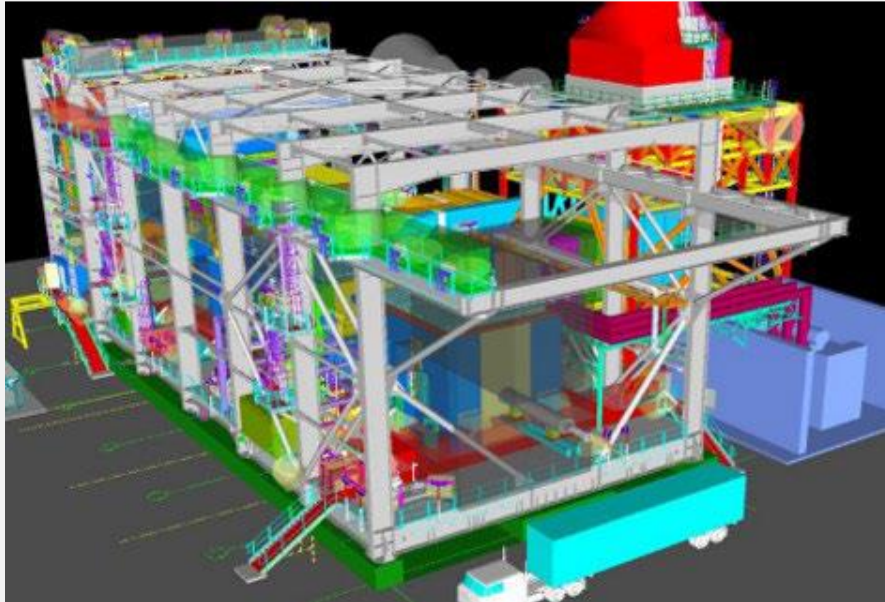
PROCESS FLOW DIAGRAM



FLWSHEET – PROCESS SIMULATION



3D MODEL & FEM ANALYSIS



- Site survey (conventional and laser scanner)
- 3D Model management and Model Review
- BIM design process
- Mechanical FEM Analysis of Lifting elements
- MTO (Material Take Off) and Performance Metrics
- Economic quantification of the works
- Multidisciplinary technical management
- Supervision of works at manufacturer workshop and/or on site
- Pre-commissioning, Commissioning and Start-Up

STRUCTURAL MODULARIZATION

- Sea Acceleration Design
- Sea and Land Transportation Design
- Modularization analysis for Lifting, land and Sea transport (experienced up to 2500 tons)
- Detail Design for Steel Structures
- Human Perception Checks
- Hazardous Areas Study
- Assistance to Steel Manufacturing
- Erection Phases Study

