



Designing Energy

Your partner in
designing the
energy transition
pathway.





Designing Energy

APS is a General Contractor, founded in 1997 in Rome, Italy. It operates in the energy sector, and it is specialized in the fields of Downstream Oil & Gas, Refining, Petrochemicals and Green Process.

We actively participate in the management of the complexity of energy sources, and we find the **most efficient solution** covering **all engineering project phases**: from Feasibility studies to EPC (Engineering Procurement Construction).

Our **multidisciplinary** team consists of highly skilled experts that belong to chemical, mechanical, piping, electrical, instrumental, and civil areas. We guarantee an integrated high design level.

Our structure and our approach allow us to easily **adjust to changing** market circumstances.

We enjoy a strong presence in **Italy** and **internationally**, and our experiences include projects based on the most reputable licenses available on the market.



Our Offering

We provide smart technical solutions in greenfield and brownfield projects for improvement, modification and revamping of industrial plants.

- Feasibility Studies and Cost Estimate;
- Basic Engineering Design (BED);
- Front End Engineering Design (FEED);
- Detailed Engineering Design;
- Engineering, Procurement, Construction Management (EPCM);
- Engineering, Procurement, Construction (EPC);
- Commissioning & start-up assistance;
- Project Management Consultancy (PMC);
- Asset Digitalization;
- Energy Transition support;
- Training





Our Expertise

Oil

- Alkylation (*)
- Amine regeneration
- Catalytic reformers (*)
- Coke calciner (*)
- Crude oil distillation
- Dearomatization (*)
- Deep conversion hydrocracker
- Slurry technologies (*)
- Delayed coker (*)
- Fluid bed catalytic crackers (*)
- Hydrocrackers (*)
- Hydrogen production (*)
- Hydrotreating (*)
- Hydroprocessing
- Isomerization (*)
- LPG recovery
- Lube oil (*)
- Miscellaneous fractionation
- Oligomerization (*)
- Product sweetening
- Solvent deasphalting (*)
- Solvent production (*)
- Sour water stripper
- Sulphur recovery (*)
- Vacuum distillation
- Visbreaking (*)
- Dehydration
- Desalter
- Mercaptan removal
- Mercury removal
- Oil Treatment (upstream) and Oil Pumping Stations

Gas

- Dehydration
- Gas compressor & storage
- Gas oil separation
- Gas sweetening
- HC dew point control
- Mercaptan removal
- Mercury removal
- NGL recovery (*)

Petrochemical

- SBR - Solution Styrene Butadiene Rubber (*)
- ESBR - Emulsion Styrene Butadiene Rubber (*)
- PBR - Polybutadiene Rubber (*)
- EPDM - Ethylene Propylene Diene Monomer (*)
- SBS - Styrene Butadiene Styrene rubber (*)
- NBR - Nitrile Butadiene Rubber (*)
- XSBR - Carboxylated Styrene Butadiene Rubber (*)

Green Process

- Hydro refining process
- Green diesel and Naphta production, from palm oil and second-generation raw materials
- Biomethane from biogas
- Chemical biocomponent from renewable sources

(*) licensed

Today APS is part of APS Evolution Group, ready to respond to the challenges of the energy transition.

The Group is made of APS and KTI Poland, an engineering Company based in Plock, Poland. Both Companies follow the same business strategy and organizational model in order to coordinate in the best possible way and in order to respond quickly, efficiently and in a sustainable way to market needs.

Together we:

Participate to manage complexity of energy sources.

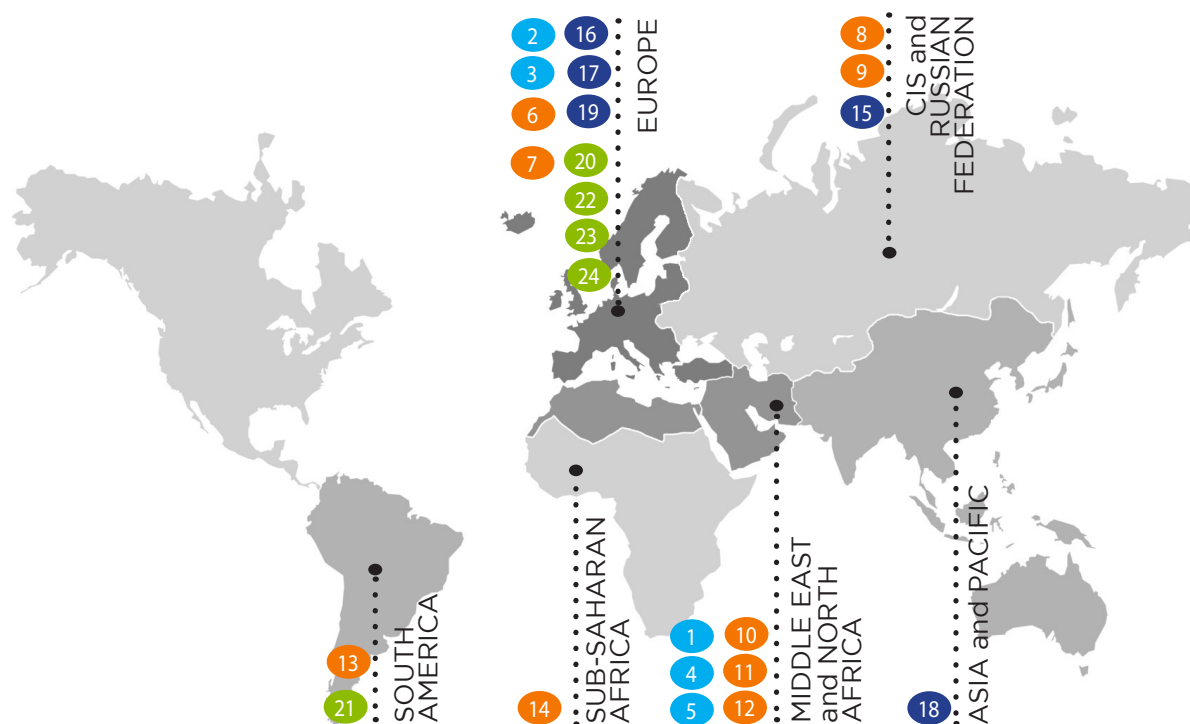
We love to solve problems by generating something useful and improved. We work for achieving benefits from mutual exchanges between traditional energies of Oil&Gas and Petrochemical and innovative energies of Green and Bio Processes.

Value interdependency for proposing efficient solutions.

An interdependent approach on different scales: between companies of the same group, between areas of the same company and between people of the same area. We work for the best solution by giving values to all resources used and by seeking, case by case, the best balance between autonomy and coordination to promote good ideas.

Focus on clarity in our working environment.

We live and work better in a mutual understanding by listening without prejudices, and by asking and giving trust to all stakeholders. We work for promoting reciprocal transparency and responsibility.



GAS

- 1 Sulphur Recovery Unit of NGL 3100, EP
- 2 Compression Station & Storage & Asset Digitalization, Sergnano Plant, EPCM
- 3 Compression Station Enlargement & Renewal of 3 Turbo Compressors, Messina Gas Station, EPCM
- 4 Acid Gas Removal Unit & NGL Extraction Unit, EP
- 5 Feed Gas Compression, Condensate Cryogenic Recovery and Polishing Project, EP

PETROCHEMICAL

- 15 PDP execution for NBR and XSBR production technologies, Togliatti Plant, Engineering services
- 16 Synthetic Rubber Factory, Tisza Petrochemical Plant, EPC
- 17 SSBR Plant, Oświęcim Chemical Plant, EPCM
- 18 Elastomer Complex in RAPID Project, FEED
- 19 Ammonium Nitrate Granulation Unit, Ravenna Plant, FEED

OIL & REFINING

- 6 New Vacuum Unit, Sannazzaro Refinery, EPC
- 7 New Vacuum Distillation and Connected Units, Tupras Izmit Refinery, EP
- 8 Diesel Hydrotreating Modular System, Tarasovskoe field, EPCM
- 9 Refinery Upgrading Project, Pavlodar Refinery, FEED
- 10 Pumping Station and Storage for Shuaiba-Karkh pipeline, EPCM
- 11 Condensate Refinery, Laffan refinery 2, FEED
- 12 Upgrading of FCC Unit and new LGO-HDT Units, Basrah Refinery, FEED
- 13 Utilities, Storage and Buildings of 3 Upgraders for Condominio Industrial Carabobo, FEED
- 14 New Port Sudan Grass Root Refinery, BED + FEED + PMC

GREEN PROCESSES

- 20 Biomass Treatment Unit, Gela Green Refinery, E+CM
- 21 Pet Coke Power Plant, Industrial Complex Jose Antonio Anzoategui, PMC
- 22 Green Chemistry: new Bio Intermediate Unit, Porto Marghera, FEED
- 23 Biomethane upgrading system, ITB Preparation & Maintenance & Operation
- 24 Ecofining Unit, Venice Green Refinery, BED



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