



## PROCESS SOLUTIONS FOR THE NATURAL GAS TREATMENT



Your reliable partner

# WE PROVIDE PROFESSIONAL SUPPORT FOR YOUR MOST CHALLENGING OIL, GAS AND POWER GENERATION PROJECTS

## Profile

Metano Impianti was established in 1980 to design and supply specialized equipment for the natural gas industry. Based in Milan, today Metano Impianti is a global provider of technical solutions, such as skid mounted process units for the natural gas treatment and Oil & Gas pipeline equipment.

With over 40 years' experience, we offer our clients a deep knowledge of the process. Combined with our engineering know-how it enables us to design and deliver tailored systems, furnishing valid options to limit the costs and improve the reliability of your plants.

Focusing on meeting and exceeding our clients' expectations, with a solid and financially stable organisation, Metano Impianti is your ideal long-term partner to face the ever increasing challenges of the Oil, Gas and Power Generation projects.



*Over 40 years of engineering know-how to deliver tailored process solutions*



*Gas Treatment System  
Gas Power Plant, Italy*

# OUR CORE COMPETENCES: DESIGN AND FABRICATION OF ENGINEERED SYSTEMS TO MEET ANY PROCESS CONDITION

## Activity

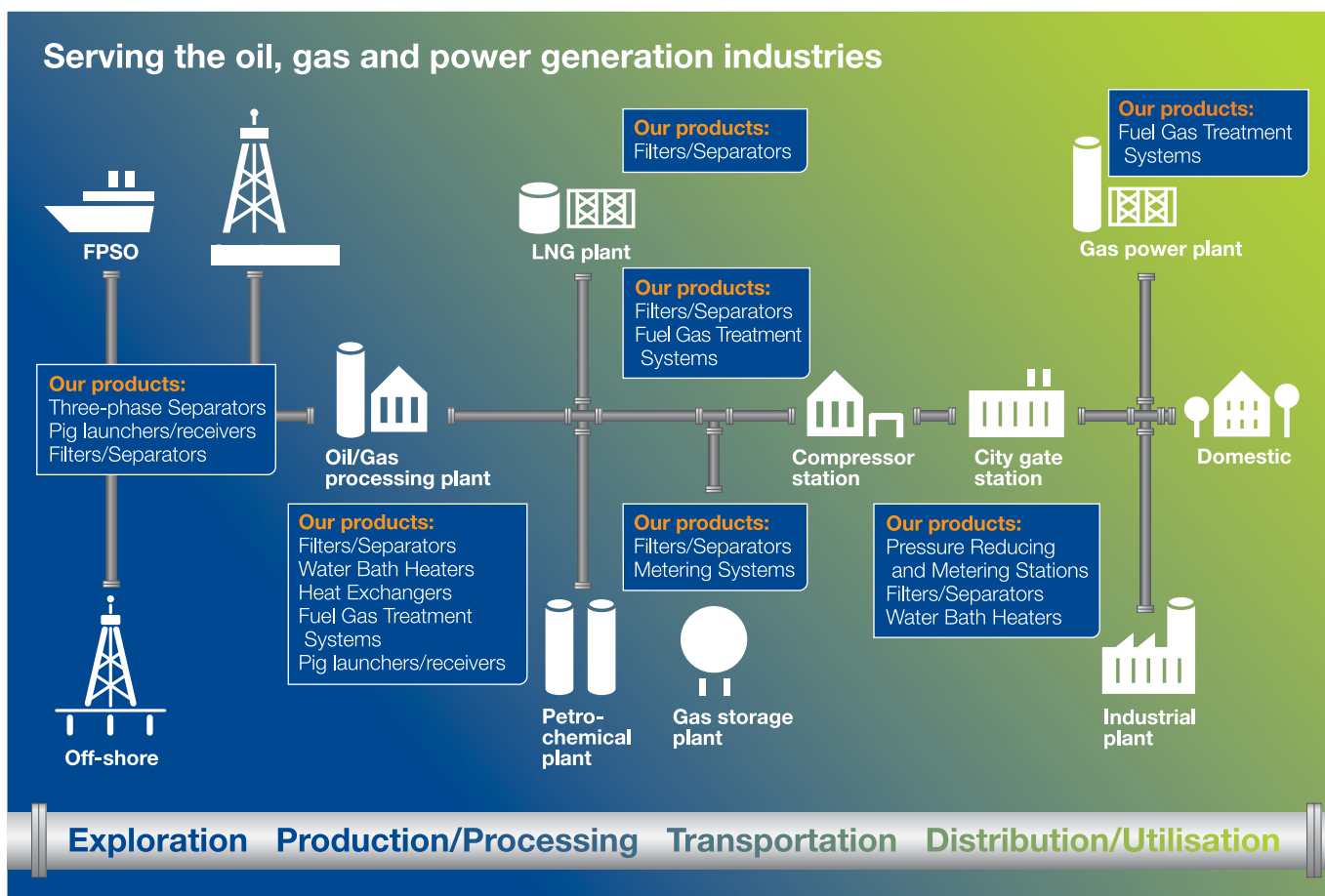
Being a source of turn-key solutions, fully assembled and tested, we take single-point responsibility from basic to detailed design, fabrication through start-up activities. Our dedicated team of engineers has expertise and background in different areas of the Oil & Gas industry and, jointly with the project team, is keen to provide continuous and effective assistance to our clients at any stage of their projects. Accordingly, we can deliver customized solutions to meet the most critical design and process applications.

We offer distinctive local and international sourcing, fabrication and assembly capabilities, maintaining relationships with qualified sub-vendors and manufacturers worldwide for the management of multicultural projects.

All activities are carried out in conformance with our ISO 9001:2015 Quality System and with significant responsibility for environment awareness and safeguard following our HSE policy, ISO 45001:2018 and ISO 14001:2015.

As Metano Impianti products find an application in the different sections of the natural gas chain (from production/processing, through transportation to distribution/industrial utilisation), we have wide experience in cooperating with the major National and International Oil & Gas Companies, EPC Contractors, Utilities and engineering and consulting firms.

Additionally Metano Impianti has developed his expertise in strong conjunction with the main players of the Power Generation industry, both GT manufacturers and Gas Power Plants contractors and users.





# WE SUPPLY A COMPLETE RANGE OF EQUIPMENT AND PLANTS FOR THE NATURAL GAS CONDITIONING

## Solutions for natural gas filtration and separation

A natural gas stream is often contaminated by solid or liquid impurities, as dust, sand, mist or even slugs. Metano Impianti supplies a complete range of solutions for their removal, including:

**Gas Filters** designed to remove solid particles, they are fitted with a filtration single stage, usually composed by fiberglass or polyester cartridges.

**Gas Separators** designed to remove liquid particles, they are fitted with a separation single stage, usually composed by a vane pack or multi-cyclone pack or a wire mesh.

**Double stage Filter Separators** designed to remove both solid and liquid impurities, they are fitted with two stages, the first usually being a cartridges pack and the second being a vane pack.

**Three-phase Separators** designed to separate production fluids into measurable streams, using residence time in conjunction with vessel internals, which usually include inlet device, calming baffles, weir and vane pack or demister (on the gas outlet), all designed by Metano Impianti.



*Gas Filter Separators  
Compressor Station, Austria*



*Gas Filter Separators  
Gas Station, Lebanon*

# OUR EXPERIENCED ENGINEERS CAN PROVIDE TAILORED SYSTEMS TO MEET YOUR SPECIFIC REQUIREMENTS



Water Bath Heaters  
Compressor Station, Turkey



Pig Launcher System  
Pigging Station, Italy

## Solutions for natural gas and oil heating

Heating process gas or oil is always a critical application. The selection of heater type and associated temperature control system depends on many factors as: required duty, availability of utilities and existing heat sources (hot water or steam). Metano Impianti design and supplies a complete range of solutions for heating, including:

**Water Bath Heaters (Indirect Heaters)** basically consisting of a shell filled with water, a process coil / tubes bundle immersed in the heated bath and a combustion system comprising a natural or forced draught burner.

Metano Impianti Water Bath Heaters are supplied as packaged units, complete with fuel gas system and control system (PLC based upon request).

**Heat Exchangers** usually fitted with U tubes for multi-pass tube bundles or with straight tubes for single pass tube bundles. Installation can be horizontal or vertical depending on the process and plant arrangement requirements.

Our design and fabrication is in accordance with API 12K, TEMA Code and with ASME VIII or PED or any other recognized international Code.

## Solutions for pipeline

Through 40 years' long involvement in major Oil & Gas, transmission and distribution projects Metano Impianti has achieved a remarkable capability in offering the most suitable pigging facilities, such as:

**Pig launcher and receivers** designed to launch and retrieve any kind of pig tool when cleaning, inspecting, calibrating and separating the pipelines. We design pig traps conforming to all international Codes and Standards, with a full range of construction materials depending on the process fluid and no limit in equipment size and rating.

We can integrate our supply with the provision of the more adequate pig signalling devices, intrusive or not intrusive.

**Pig handling systems** upon request, the pig launcher and receiver may be provided with a pig handling system (with a removable basket or cradle), skid or binaries mounted and a lifting system complete with manual or electric hoist.

**Q.O.C. (Quick Opening Closure)** we design and manufacture Jaws-type closures, with a manual handling or an hydraulic opening system, extremely quick acting and reliable, in full conformance with the most stringent requirements of the ASME or PED clauses.



# WE ARE COMMITTED TO PROVIDE CONTINUOUS SUPPORT THROUGHOUT ANY PROJECT'S STAGE

## Solutions for natural gas treatment

Whether the gas shall be delivered to a Gas Turbine or to an Industrial Plant, Metano Impianti can provide the most suitable and complete solutions. We supply each section as a skid-mounted package: a 'modular' approach enabling time and costs to be minimized and site operations to be optimized. Our scope is integrated with the design and supply of the complete automation and control system. Other devices for gas quality measurement can be included, such as Gas Chromatograph. Each station is designed according to the international Standards as well as the local design rules.

**Fuel Gas Treatment Systems** one of the most critical application in our market, as the gas shall be delivered at the accurate and proper conditions required by the GT to prevent any failure or damage of the downstream equipment.

**Pressure Reducing and Metering Stations** as natural gas is usually transported highly pressurized through pipelines, it needs to be conditioned before it is delivered to the final consumer. Metano Impianti is keen to propose the most advanced alternatives to fulfil the clients' requirements.



*Gas Treatment System  
Gas Power Plant, Italy*



*Gas Treatment System  
Gas Power Plant, Algeria*

# YOUR BENEFIT: TAKING ADVANTAGE TO INTERFACE WITH A MATURE AND TRUSTABLE SOURCE OF TECHNICAL SOLUTIONS

## Agency & Trading

Considering the strong project management skills developed during more than 40 years of activity for the Oil & Gas industry projects and making leverage on the alliances established with top quality producers based on our regular procurement activities, Metano Impianti integrates the core business with agency and trading activities of products such as:

### Steel Pipes Seamless and Welded

(Line Pipe, Casing, etc.)

### Valves

### Electrical Heaters

which we regularly use in our projects counting on our experience to grant excellence on the execution of the project.

We are a customer-oriented company which strongly believes on the advantage that global supply could bring to end users in the Oil & Gas industry. We believe on the experience of our team and our supply chain helping our customers to reduce their total cost with top quality results.

## Services

We are committed to go on working alongside our customers after the delivery, to provide them with efficient and long-term technical support.

Due to our know-how and competence acquired in managing turn-key projects, our team of engineers and specialists from the process industry are dedicated to supplement our reliable technical supplies with a full range of after sales services, including:

### Supervision during installation

### Supervision and technical assistance during the pre-commissioning, commissioning and start-up phases

### On-site maintenance

### Local staff training

### Spare parts availability

Metano Impianti continues to serve you after the delivery.



*Our core business is integrated with agency and trading activities*



*Our team of engineers is dedicated to provide a full range of site services*

OVER 30 YEARS:  
A REMARKABLE  
**EXPERTISE,**  
A COMMITMENT  
FOR THE FUTURE

**Metano Impianti S.r.l.**

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**METANO IMPIANTI WORLDWIDE: OVER 400 INSTALLATIONS**

