

Total Plant Solutions (TPS)



Spain

Product Definition

Companies in the oil and gas industry often have specific requirements, and prefer to have their production plants designed fully in line with their operational needs in order to achieve reliable and safe production.

Frames has decades of experience in engineering and supplying custom-designed and modularized oil/gas treatment equipment that meets widely varying pipeline specifications. You can benefit from this experience by making us your preferred partner for the design and supply of customized equipment for gas plants, from all process equipment to an entire plant. Our services are always tailored to your needs, including all (civil & mechanical) construction and installation activities required on site.

Solution Description

Frames introduced a skid-mounted approach for most of its equipment in the 1980s. This was very common for offshore fields, but well off the beaten track for onshore fields. Since then, many of our customers have become well aware of the advantages of fabricating process equipment in a dedicated workshop without having the challenges of on-site fabrication.

Over the years, we have supplied hundreds of skid-mounted solutions, thus increasing our capability to supply a full range of products. Over the past decade, Frames has expanded its portfolio by combining specific products into larger integrated solutions. This expansion has filled a gap in the market, as customers were looking for complete gas plants designed in line with their specific needs. As a result, we have supplied many modularized gas plants over the years.

We have also found that selecting an experienced company for the concept/FEED stage is critical for customers in terms of succeeding with projects that require gas production facilities. Understanding the commercial and manufacturing consequences of all decisions made during the early stages of a project is of crucial importance for success during the project execution stage, both in terms of project run time and cost savings. Our expertise in combining a practical point of view with a clear understanding of all technical and commercial consequences has enabled us to think “out of the box” when we execute concept and FEED studies. Last but not least, Frames focuses on preparing a minimum number of deliverables that are required to enter into the next phase, thus preventing unnecessary investment costs and schedule delays.

The Frames team of specialists has a proven track record as a successful and reliable partner, and looks forward to assisting you with your preliminary development plans.

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Process Description

A typical customized, modularized gas plant consists of two important sections:

1. **Wellsite location(s)** – Besides a more traditional approach, we also offer solar-powered, fully integrated skid-mounted solutions (40' container size). These mobile units minimize installation time and overall project costs, and include all of the equipment required for proper wellsite control and safeguarding.
2. **Production location** – The combination of our complete technology portfolio and our extensive experience in fabrication of modular equipment ensures the best possible overall gas plant layout. Each gas plant has its own specific and unique requirements, often due to plant inlet gas composition and related operating conditions, as well as specific output requirements. This is the reason why no two gas plants are designed in the same way. Clients can rely on a fully committed Frames project team that will guarantee overall plant operation and performance in accordance with the highest quality control standards.

In addition to the equipment that directly handles the produced gas and liquids, the following equipment/work is required:

- Storage and offloading facilities
- Utilities
- Control room
- Civil works
- On-site construction

If required by specific project needs and a customer's project strategy, Frames works together with local partners for civil works, construction works and local fabrication facilities.



Tunesia



The Netherlands



The Netherlands

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Project Management

We understand that effective project management requires the precise coordination of a wide range of tasks, and by working together as a family of professionals we are committed to delivering the best outcomes for our clients.

At Frames, we work as a coordinated team that focuses on integrated solutions such as total plant solutions, modules and EPF projects. We strongly believe that our product know-how translates into added value for the management of these complex projects. Our multi-disciplinary engineering teams are managed by a project manager who is the single point of contact for our clients.

With decades of experience in working on projects of all sizes, Frames has learned to execute its projects according to the highest safety standards. Having overall process knowledge, project execution and interface management experience, Frames offers complete package deals.

Thanks to a network of international partners and a worldwide supply chain, our clients benefit from smart services provided by a strong, global project management company.

Technical Details

- Gas treatment
- Condensate treatment
- Produced water treatment
- Modular build techniques for plug-and-play plant operation
- Custom-built equipment
- Flawless start-up design possibilities
- Minimal civil and construction works required

Added Value Frames

- Experience ranging from concept studies through plant start-up
- Short overall project implementation time (when delivery is very critical) – see EPF leaflet
- Fully in compliance with all client specifications
- Single-point responsibility for all plant interfaces
- Modularized approach for ease of transportation and easy field installation
- Fully committed project team to meet project milestones
- Local fabrication possibilities worldwide
- Reliable in-house technology

References

- HVC – the Netherlands
- NAM Middelie – the Netherlands
- Tulip Oil – the Netherlands
- Union Fenosa – Spain
- OMV Nawara – Tunisia

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Frames Family Tree

