



FACTS AT A GLANCE

Company: Industrial Engineering Technologies (IET)

Website: www.iet-engineering.com

Description: IET is an Industrial Engineering Company. As a full service company, IET has the expertise to provide turnkey systems for its customers, which includes products of its own design. For each project, IET is able to complete, partially or totally, the following services:

-Project engineering: Basic studies, project management & detailed studies.

-Site services: Construction and erection supervision and start up, and tests supervision.

-Studies, consulting and expertise: Technical-economic studies and management consulting

Employees: 70

Industry: Energy

Country: Tunisia

PRODUCTS USED

- SmartPlant Instrumentation
- SmartPlant P&ID
- SmartPlant 3D
- SmartSketch

KEY BENEFITS

- Online and remote design
- Integration of various engineering disciplines
- Improved project management workflow and document management system
- Ability to anticipate and to react to changes

IET ENJOYS AN EDGE ON TURNKEY PROJECTS IN NORTHERN AFRICA THANKS TO SMARTPLANT®

High quality design and knowledge sharing among contractors are instrumental to keep Owner Operators satisfied

IDENTIFYING GOALS



Industrial Engineering Technologies, IET, is a small engineering company in Tunisia, which is expanding very fast carried by its strong drive and ambitious plans. Created in 2003 by the steel manufacturer and pipe fabricator SOCOMENIN, it was confided the task of carrying out turnkey project of increasing capacity. IET expertise and knowledge teams soon found a market in Tunisia and expanded to neighboring countries in Northern Africa. Located in the hub of a petroleum rich area, IET engineering services, consulting and project management services have found a very prolific, but also highly demanding cluster of international oil and gas operators.

Such fast expansion in the last few years demanded IET to capture and implement the latest technology to provide advanced design of industrial plant at the lowest cost and with high efficiency. The company chose for Intergraph solutions because it is increasingly demanded by Owner Operators working in the Northern Africa region, seeking quality design for their turnkey projects, which can be performed from and delivered to different locations and online.

OBJECTIVES

- To gain qualitative design improvements for improved plant configuration
- To achieve Flexible information flows and remote engineering access
- To streamlined processes, improve project management workflows and document management system
- To accomplish more effective change management and faster decision-making

REALIZING RESULTS

The company was already using a number of Intergraph products, such as PV ELITE for Pressure Vessel Design and CAESAR II for Piping Flexibility analysis sand stress calculation, in addition to other products for steel structure design such as ROBOT and TEKLA/Xsteel.

IET decided to implement Intergraph SmartPlant products to get a leap forward

in its services. The software implementation was assisted by Intergraph and required integration with TEKLA structures/Xsteel and piping customization according to French standards.

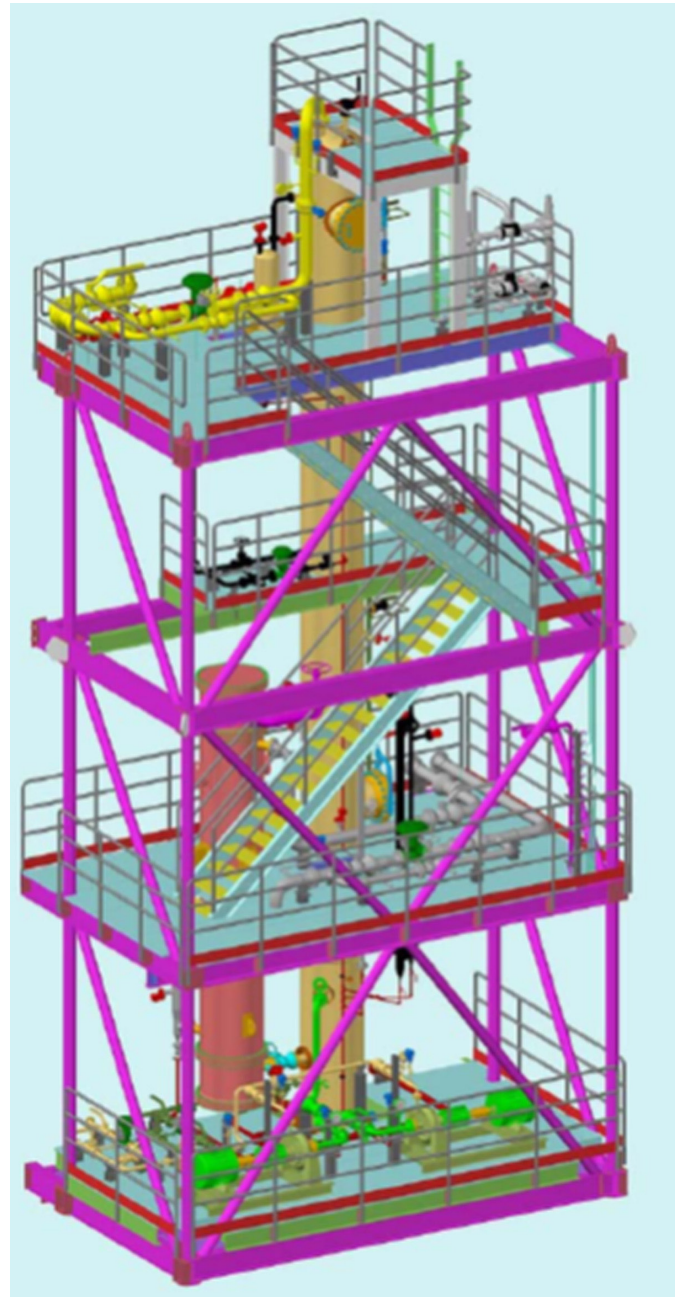
The use of Intergraph solutions allows IET to provide higher quality design in a shorter period of time, integrate various disciplines engineering data, work remotely and online, interface more efficiently with other tools and anticipate and react to changes in the project. Their customers have experienced guaranteed results and improved performance, which had a positive impact in customer satisfaction.

MOVING FORWARD

After a year training its employees, IET is currently using SP3D on small projects, such as the extension of hydrocarbon facilities and phosphoric acid pulp units. Twelve people are using the tools, eight of them with simultaneous access.

At this stage, IET is developing several tools to increase profitability of the solution, including the preparation of a pipe supports library and the creation of an audio-visual training program covering all aspect of the tools in order to prepare the team for increasing the number of SP3D users.

Once all the staff is up to speed, the solutions will be used in larger and more complex turnkey projects in Tunisia, Algeria and Libya. This will also attract more international company to subcontract engineering activities in Northern Africa, contributing to enhance the region industrial activities and its economic performance.



ABOUT INTERGRAPH

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer and smarter. The company's software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation and data management of plants, ships and offshore

facilities. Intergraph SG&I provides geospatially powered solutions to the public safety and security, defense and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is an independent subsidiary for SG&I's U.S. federal and classified business.

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