CASE STUDY

Rosetti Marino saves time and money by automating isometric production

Key facts:

Company: Rosetti Marino

Website: www.rosetti.it

Country: Italy

Octave products used: PDS, OnSite Spool Design *(Intergraph Spoolgen)*

Key benefits:

- Simple to use
- Eliminates errors and rework through data consistency
- Automatically generates drawings and reports
- Saves tremendous amount of time
- Provides rapid return on investment

Rosetti Marino provides solutions and services to some of the biggest players in the oil and gas industry. With its strong engineering and project management capabilities and state-of-the-art fabrication facilities, Rosetti designs, procures, and constructs a wide range of fixed offshore platforms, process plants, and ships.

Focusing on process packages, pressure vessels, and shipbuilding to meet the demand of both mature and emerging markets, the company operates out of Rosetti Marino's original location in Ravenna, one of Italy's leading commercial ports on the north Adriatic Sea. Support offices are based in Croatia, Portugal, Kazakhstan, and Russia.

Overcoming challenges

Rosetti Marino is comprised of its main fabrication yards in Ravenna, Italy, and two engineering subsidiaries: Fores Engineering, which manufactures and integrates process control and automation systems, and Basis Engineering, which provides multidisciplinary engineering services for the oil, gas, and petrochemical industries.

When a new contract arrives, Basis Engineering uses PDS®, the market-leading 3D plant design system, to design how the project should be constructed. The system produces piping isometric drawings, which are then sent to the Rosetti fabrication yard.

"We used to manually rework the engineering isometrics to add fabrication information such as weld numbers and line information," said Claudio Antonellini, Rosetti's engineering manager. "But this was time-consuming and error-prone."

Project objectives

- Increase data accuracy
- Speed project completion
- Automate work processes

"Our users like the software, and the benefits it brings are great. Now we're able to automate spool shop isometrics instead of producing them manually. OnSite Spool Design has saved us significant amounts of time and provided enormous cash savings."

Claudio Antonellini
Engineering Manager,
Rosetti Marino

The solution

Rosetti Marino won a contract with Agip, an Italian automotive gasoline and diesel retailer. Rosetti Marino decided there must be a better method of producing spool drawings for the workshop. One of Italy's leading software resellers suggested that Rosetti Marino try OnSite Spool Design.

OnSite Spool Design is specifically designed for piping fabricators who need to add fabrication and construction information to isometric drawings generated from plant design systems. Fabricators can use OnSite Spool Design to easily split isometric drawings into spools for delivery to the workshop, and the system will automatically generate all necessary drawings and reports.

OnSite Spool Design provides a fast return on investment, is simple to use, and requires minimal training. The product significantly reduces:

- Labor hours
- Manufacturing costs
- Project schedules
- Rework
- Construction errors

Agip carried out the detailed design of the plant and sent its IDFs directly to Rosetti Marino's fabrication yard electronically. OnSite Spool Design was used to create shop isometrics and a host of valuable reports, such as:

- Feasibility analysis
- Quantity reports for invoice preparation
- Reports to feed company welding register

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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