

## TECNIMONT PRIVATE LTD., INDIA

### Key Facts

**Company:** Tecnimont Private Ltd.

**Website:** [www.tecnimont.in](http://www.tecnimont.in)

**Industry:** Petrochemical

**Country:** India

**Products Used:**  
PV Elite®

#### Key Benefits:

- Performed all analysis with a single solution
- Produced design deliverables for 150 pieces of equipment
- Eliminated errors and saved significant labor hours

### TECNIMONT CHOOSES PV ELITE® FOR LARGE POLYPROPYLENE PROJECT

#### EPC designs Azerbaijan plant for SOCAR Polymer

Tecnimont Private Ltd. (Tecnimont), a wholly-owned subsidiary of the Maire Tecnimont Group, provides engineering, procurement, and construction (EPC) services to a variety of industries, including oil and gas, petrochemicals, fertilizers, and power generation. Tecnimont has more than 50 years of experience in executing large and complex projects worldwide on a lump-sum turnkey basis. Headquartered in Mumbai, India, the firm maintains supporting offices in New Delhi, India; Abu Dhabi, UAE; and Jeddah, Saudi Arabia.

#### IDENTIFYING GOALS

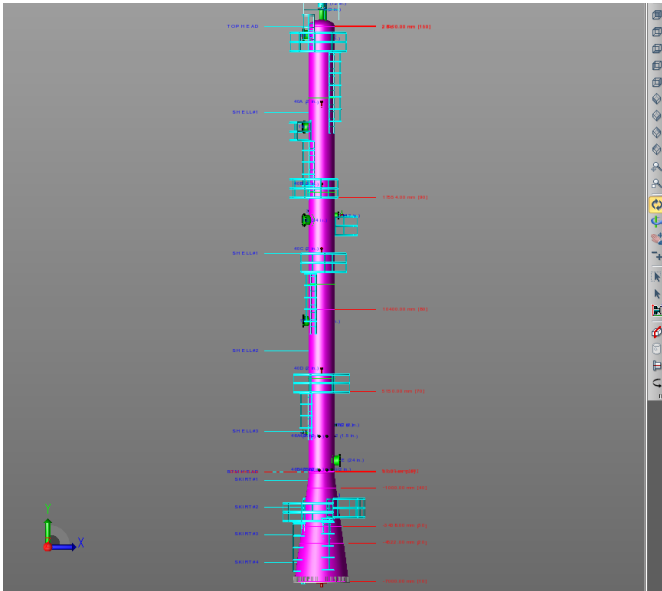
SOCAR Polymer, the first public-private partnership in Azerbaijan's oil and gas sector, selected Tecnimont to provide EPC services for its facility in the Sumgayit Petrochemical Complex, Baku, Azerbaijan. The facility's two plants can produce 180,000 tons per year of polypropylene (PP) and 120 tons per year of high density polyethylene (HDPE).

The contract, valued at \$386 million, called for Tecnimont to provide complete engineering and construction through startup and testing of the polyethylene plant, including related utilities and off-site facilities. The project involved 150 pieces of equipment.

#### OVERCOMING CHALLENGES

Initially, the client wanted to shift its existing plant from Russia to Azerbaijan and use the existing equipment. After investigating the project requirements, Tecnimont found that most of the equipment would not be suitable for the revised plant capacity conditions and, after consultation, the client decided to install new equipment at the Azerbaijan facility.





Performing the analysis manually would require much more time and would typically result in errors and costly rework. On a project this size, the additional costs would have been extremely burdensome.

“Most software products lack capabilities for modeling internal components such as trays and demisters,” explained Arpita Shah, principal engineer at Tecnimont.

Because Tecnimont chose PV Elite® for the project, it was able to perform all the required calculations and produce all design deliverables with a single solution.

“With PV Elite, our engineers could analyze everything in a single software, which made things easier for everyone,” Shah said.

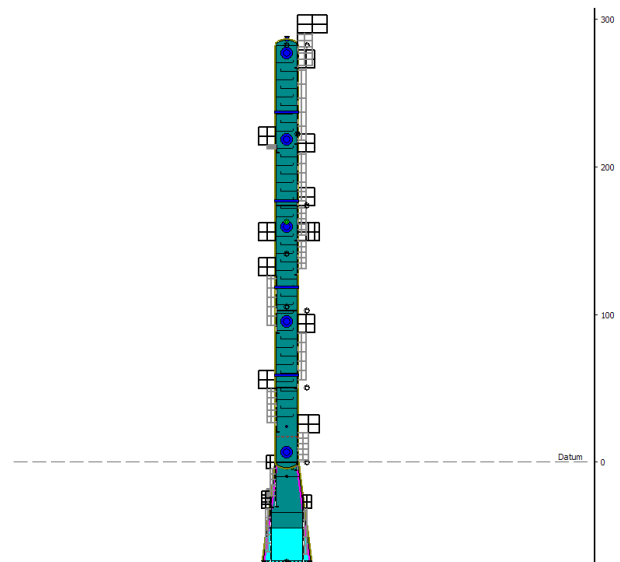
## REALIZING RESULTS

Tecnimont chose PV Elite for the column design and used it to model everything, including the internal and external parts.

Best of all, PV Elite’s built-in tools for analysis and design and automation capabilities helped the team to eliminate errors and save significant labor hours.

## AWARD-WINNING PROJECT

Tecnimont received the 2016 PV Elite Drivers of Success Runner-Up Award for its use of the software. The annual Drivers of Success competition recognizes innovative applications of Hexagon PPM products, impressive project results, and significant benefits from collaboration among disciplines and the integration of the products.



## ABOUT HEXAGON PPM

Hexagon PPM is the world’s leading provider of asset life cycle solutions for design, construction, and operation of industrial facilities. By transforming unstructured information into a smart digital asset, our clients are empowered to visualize, build, and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire life cycle.

PPM is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technology solutions that drive productivity and quality across geospatial and industrial landscapes.