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Milan, Italy

Chemistry and Petrochemistry

A multinational in the chemical sector that is continuously expanding and with an ever-increasing focus on energy. For the temperature control of reactors in the production area, it decided to switch to single-fluid management. This project is very delicate for several reasons: operation at extreme temperature levels and in an explosive environment, ATEX, mono-fluid and heating with diathermic oil. The demanding selection of heat exchangers that could withstand the considerable thermal stress required by the sudden temperature changes of the enslaved process was a success. The system was commissioned to the customer's satisfaction and had these characteristics:

- Therminol D12 fluid
- temperature range +10/+200°C
- 570KW in heating
- 180KW in cooling
- 40,000 l/h recirculated