

Enerflex in Action



1,275 TR PROPANE REFRIGERATION SYSTEM FOR A CHEMICAL PLANT

USA

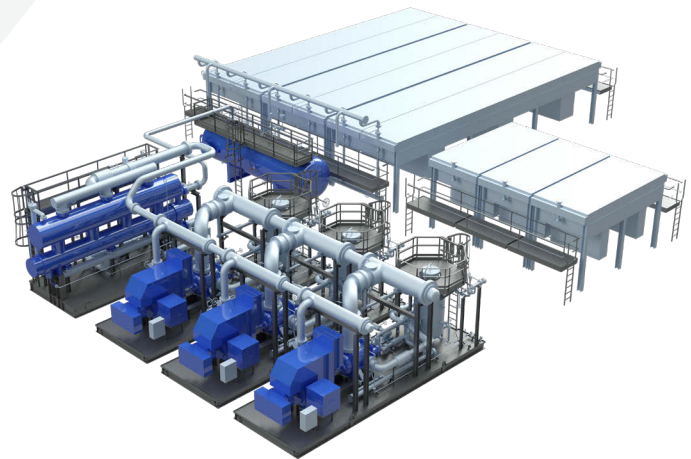
Seven-module, 1,275 TR (4,485 kW) gas chiller meeting strict API and ASME codes and regulations.

Enerflex completed the engineering, design, manufacturing, and commissioning of a modular 1,275 TR (4,485 kW) propane refrigeration system for a gas chilling application in a customer's petrochemical plant. Built to compliance with strict API and ASME codes and regulations — and complete with all interconnecting piping — the system included:

- Three oil-flooded screw compressor drivetrains, each driven by a 2,250 HP (1,680 kW) electric motor;
- Air-cooled condenser;
- Chiller; and
- Receiver.

The Refrigeration Experts

As experts in fully modular and stick-built turnkey design solutions, our proven history and success in refrigeration systems spans the globe.



OUTCOME

Enerflex designed this solution as a fully modular system, with seven sub-modules. Each sub-module was skid-mounted and packaged, fully assembled, inspected, and tested in-house. Interconnecting piping was prefabricated for minimal field welding. Enerflex's modular approach significantly reduced the total site work and installation time, resulting in overall savings for the customer. The project took only 10 months to complete from start to finish due to its design philosophy and engineering efficiency.