

Enerflex in action

Morgan's Point, Houston Ship Channel, USA

Boil-off gas compressor and ethylene terminal

High-spec custom package on
small footprint delivered on-time
and under budget.

Enerflex worked with a key customer at Morgan's Point to install two Ariel KBK/6 three-stage reciprocating compressors, driven by 1,500 HP / 720 RPM Teco electric motors. The team customized the units to match the small site footprint, such as an overhung first-stage discharge bottle, which kept the pedestal as low as possible to avoid high vibration on equipment frames. Enerflex also carried out torsional and acoustical DA3 analysis and provided 24-hour commissioning services to troubleshoot onsite.

The high-specification package included – pneumatic cylinder bypass unloaders and pneumatic head-end valve unloaders, on-skid unit recycle valves, packing water cooling, non-lube cylinders, long two-compartment distance pieces, packing purge with flow meters, external flywheels with pneumatic barring devices, motor driven pre-lube pumps, in-line LO immersion heaters, on-skid LO coolers, duplex LO filters, on-skid drip pots, and Allen Bradley control panels.



Outcome

All contractual requirements were met during the eight-month project and engineering labour hours came in under budget.