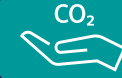


Driver Electrification

Applicable fleet: Industrial Radial, Gas Trans Pipeline



Increased Efficiency



Up to 100% less CO₂ per year due to driver switch

Product Overview

Until today, many compressors are driven by steam or gas turbines, which cause high local CO₂ emissions. The electrification of a compressor train is a big boost towards a CO₂ free industry.



Improved Features

- Various tailor-made concepts available:
 - High speed direct drive
 - Low speed drive with gear box
 - Fixed speed drive with compressor flow control by IGV or throttle valve



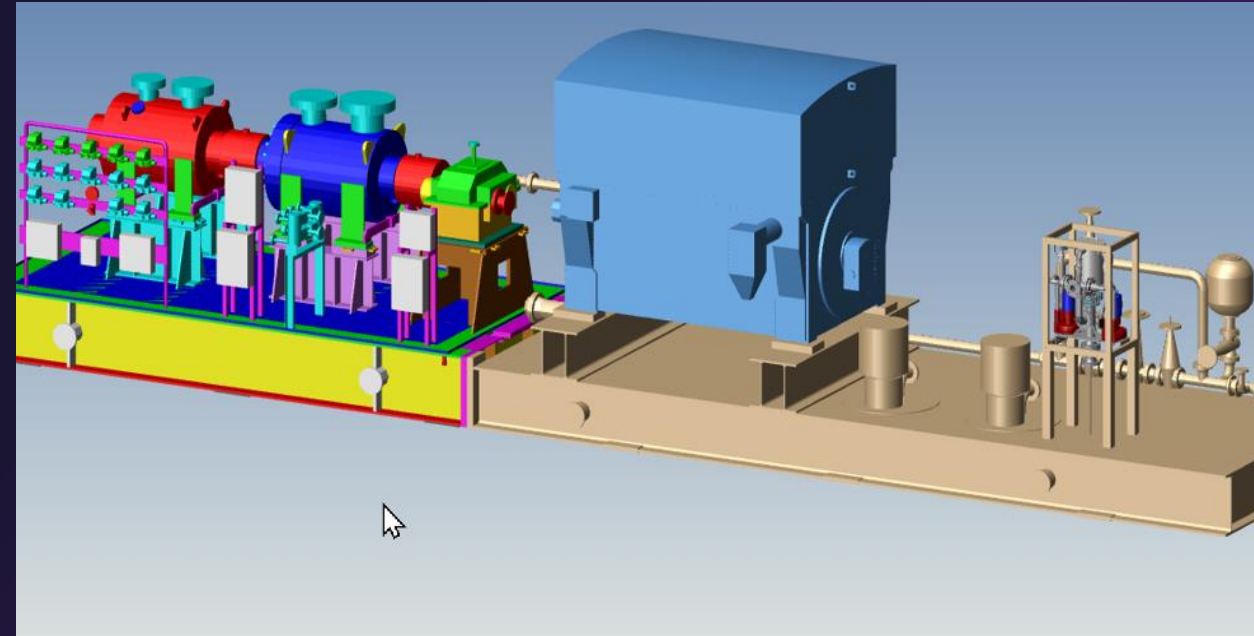
Benefits

- Up to 100% CO₂ emissions reduction by utilizing renewables
- No local emissions
- Robust driver with low maintenance requirements
- High efficiency also in part load
- Siemens Energy provides complete solution out of one hand including possible upgrades of compressor and auxiliaries



Scope of work & Implementation

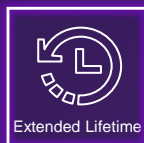
- E-motor, gear box and couplings
- Inverter driver and transformer
- New or adapted base frame to accommodate the E-motor
- Modified or new integrated lube oil unit
- Controls upgrade possible
- Complete engineering including torsional analysis



Reliability



Efficiency



Extended Lifetime



Power Saving