



POWER

VECTA

FORWARD THINKING

Our people have expertise that includes the following competencies:

- ✓ Power Factor Correction calculations and analysis
- ✓ High Voltage power design
- ✓ Low voltage Power design
- ✓ Technical specifications
- ✓ Electrical Drawings

Our team have worked on projects that have included:

- Investigation of various electrical supply options for electrification of an existing gas compressor facility.
- Ascertained the electrical loads on transmission lines.
- Modelled the electrical infrastructure with ETAP software and completed power flow limitations calculations
- Consideration of the physical construction, power line easements and identification of the most economical supply voltage.
- Preparation of specifications for 22kV GIS and 6.6kV switchboards within substations.
- Review and integration of existing control, metering and protection schemes.
- Integration of existing power and control cabling into new design requirements.
- Development of electrical Basis of Design and equipment specifications.
- Design of the electrical HV/LV reticulation to, industrial plants, site offices and warehouses.
- Experience of American (NEC / NFPA / UL etc.) standards.
- Design of 6.6kV and 415V motor starters in existing motor control centres.
- Completed protective relay settings for 6.6kV motors.