



PROJECT OVERVIEW

The Moomba Compression Project involved the design and installation of a new compressor station and pressure reduction station in Moomba, South Australia.

The facility provides the capability to ship Eastern Haul Gas through the South-West Queensland Pipeline (SWQP), transforming this pipeline into a bi-directional gas transmission facility that connects various Queensland, South Australian and New South Wales pipeline assets and will be capable of delivering 360TJ/day of high pressure gas into the SWQP network.

In addition to the compressor station, the project involved upgrades to tie-in the existing Moomba Pressure Reduction Station (including the addition of two new 2MW gas heaters) and a new 1km pipeline to deliver gas from the Moomba Gas Plant to the compression / pressure reduction station site.

PROJECT FACTS

SCOPE

- » 3x Solar Turbines Mars 90 Compressor packages
- » Adjacent Pressure Reduction Station
- » Brownfield tie-in and upgrade work

CLIENT

APA Group (formerly EPIC Energy)

LOCATION

Moomba Gas Plant, South Australia

DATES

2012 to 2014

ROLES & SERVICES

- » Concept development
- » Front-End Engineering Management
- » Engineering Management
- » Scheduling
- » Budgeting and Estimating
- » Package Management
- » Project Engineering
- » Construction Management
- » Full service commissioning management
- » Training
- » Handover to Operations

KEY CHALLENGES

- » Remote location
- » Challenging desert environment
- » Integration with complex gas plant
- » Stakeholder Management

MAJOR ACHIEVEMENTS

- » Project completed on time and on budget
- » Performance testing successfully completed
- » Facility has become a critical component of Australia's east coast gas network - connecting the major gas production centres with the gas consumers and LNG exporters on the east coast

