



PROJECT OVERVIEW

The Mondarra Storage Facility (MSF) Project involved the delivery of a gas reservoir storage facility capable of injecting gas at a rate of 70TJ/day and withdrawal of up to 150TJ/day as required.

The facility, owned and operated by APA Group, includes the Mondarra reservoir, Wellhead equipment and flowlines, DBNGP and Parmelia pipeline inlet/outlet facilities and flowlines and gas conditioning equipment.

The facility was the first of its kind in WA and provides the South-West of WA with additional gas resources and energy security. Enscope was contracted to provide EPCM and commissioning services from project development through to operations handover.

PROJECT FACTS

SCOPE

- » Wellhead equipment and flowlines
- » DBNGP and Parmelia pipeline inlet/outlet facilities and flowlines
- » Gas conditioning equipment including silica gel towers and regeneration; gas cooling, liquids handling; storage and load-out; gas filtration; gas compression via reciprocating compressor packages; flow metering; HP and LP flare systems; and power generation and plant utilities

CLIENT

APA Group (formerly EPIC Energy)

LOCATION

Mid-West Western Australia (350km North of Perth)

DATES

2010 to 2013

ROLES & SERVICES

- » Project management support for the project
- » Engineering and engineering management including the design, procurement and installation of the compressor packages to AS3814 requirements
- » Procurement management inclusive of major processing equipment
- » Engineering and construction management support for the APA construction team
- » Completions and commissioning services

KEY CHALLENGES

Large operating range leading to complex compression equipment

MAJOR ACHIEVEMENTS

Delivered complex and unique asset for pipeline operator



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