

PLS JV CALIX MID-STREAM DEMONSTRATION PLANT



Project	Mid-Stream Demonstration Plant
Location	Pilgangoora, WA
SIMPEC Scope	SMP, E&I
Value	\$17 million
Duration	9 months
Completion	Q1 2026

Project Overview

The Project involves construction and installation of a demonstration-scale chemicals facility within the Pilgangoora Plant.

On successful completion, the plant will produce Lithium Salts utilising Calix's patented calcination technology. It will deliver a superior value-added Lithium Product enabling lower cost, reduced carbon energy intensity and reduction of waste product logistics.

Client Overview

PLS is an ASX listed leading global producer of lithium materials, with a diversified portfolio of assets and strategic partnerships in the rapidly growing battery materials sector. PLS, is an industry leader as the world pursues its net zero ambition.

Calix is an environmental technology company creating great businesses that solve global challenges in industrial decarbonisation and sustainability.

Scope of Work

SIMPEC were chosen by PLS to provide all structural, Mechanical, piping, electrical and Instrumentation works.

Including but not limited to:

- Full mobilisation, demobilisation, management, supervising and construction.
- Installation of all Principal-supplied modular structures and loose stick steelwork
- Supply and fabrication of all materials and equipment required
- Receipt at site, unloading, destuffing, storage and installation of the Principal Supplied Materials
- Procurement, transportation and installation of all mechanical equipment
- Installation of all pumps, motors, couplings and equipment
- Pump plinth grouting and base frame infill
- Installation and testing of all Principal-supplied pipework, valves (including actuated type valves) and SPIs
- Supply, installation and testing of all electrical equipment
- communications and instrumentation installation work

Key Facts

- World's first industrial scale electric spodumene calciner.