

TLEA - TIANQI LITHIUM CORPORATION

OFF GAS SP1 & SP2 PROJECTS



Project	Off Gas SP1 & SP2 Projects
Location	Kwinana, WA
SIMPEC Scope	SMP E&I
Value	\$15 million
Duration	7 months
Completion	Q2 2026

Project Overview

SIMPEC was awarded two separate construction packages that consisted of new mechanical equipment that was integrated into the existing processing plant. SIMPEC performed all SMP and E&I works for the construction of the project.

These construction packages enhance the capacity of the existing processing facility.

Client Overview

Tianqi Lithium Energy Australia (TLEA) owns and operates a lithium hydroxide plant in Kwinana, Western Australia.

TLEA, a joint venture between global lithium leader Tianqi Lithium Corporation and Australian miner IGO Ltd, combines industry leadership and expertise to drive a more sustainable future.

Scope of Work

SIMPEC's scope of work includes all SMP and E&I for the following:

Separable Portion 1 (SP1);

- Regenerative thermal oxidiser
- Two calciner off-gas scrubbers, Stack
- RTO discharge heat exchanger
- RTO combustion air fan, RTO air feed fan
- RTO instrument air receiver
- 6 circulation pumps, Air mixer
- Associated ducting, expansion joints, piping and structural

Separable Portion 2 (SP2);

- Effluent Tank and associated agitator
- Two Scrubber Effluent Transfer Pump
- Scrubber Effluent Tanker Export Pump
- Scrubber Effluent Area Sump Pump
- 3 Calciner Off-Gas Scrubber 1 Circulating Pump Seal Water Pots
- 3 Calciner Off-Gas Scrubber 2 Circulating Pump Seal Water Pots
- 2 Scrubber Effluent Transfer Pump Seal Water Pots
- Scrubber Effluent Storage Tank Heat Exchanger
- Relocation of Stack ID Fan
- Remove and install new Calciner Gas Skid , RTO Gas Skid
- Associated Ducting, Expansion joints, Piping and Structural
- Associated Electrical panels and cabling, MCC mod, VSDs and instrumentations for SP1 and SP2.