

2000T Spodumene Handling

Tianqi Lithium Kwinana – LHPP Project

LHPP Project at a Glance

100% owned by Tianqi Lithium

Kwinana

FY18-20;

Stage 1: 24,000 tpa Lithium

Hydroxide Monohydrate Processing
from Spodumene Ore.

Stage 2 increased total capacity to
48,000 tpa.

Spodumene ore will be supplied from
the Talison Greenbushes mine (51%
Talisson owned).

MARCH 2019

TLK LHPP PROJECT

KWINANA, WA

Project Manager:

Enes Kaya

CONTACT LIME SYSTEMS

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Contact us for facilities to
receive and handle;

- Quicklime
- Hydrated Lime
- Limestone
- Cement
- Flocculant
- Coagulant
- Acids
- Caustic
- Cyanide
- Others



2000T Spodumene Storage Silo with Discharge Equipment

The Lime Systems supplied package included the design and supply of the bolted 2000T spodumene bin as well as 2 dust collectors, bin activator and an access platform.

The bolted construction of the silo allowed a modular design and time savings for fabrication, supply and shipping. The installation of the silo is achieved by hydraulically lifting the bolted construction starting from the roof structure. This allows all work to be conducted at a ground level ensuring a safe working environment for construction staff.

Lime Systems completed the supply and installation of the package without any lost time injuries and 2 weeks ahead of schedule.

Quick facts:

- Supply and Install of a 2000T capacity (~29m height, ~10m dia.) bolted storage silo.
- Silo equipped with a Lime Systems designed and supplied 4m diameter 316L stainless bin activator.
- Equipped with 2x SVF18 dust collectors for dust extraction during filling
- Access platform designed to AS1154.1 by Lime Systems and fabricated locally



Silo is lifted with hydraulic jacks during installation.



Lime Systems designed and supplied bin activator and access structure.

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BULK STORAGE SOLUTIONS

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