PNEUVAY ENGINEERING

COMPLETED PROJECT

Lithium vacuum conveying system

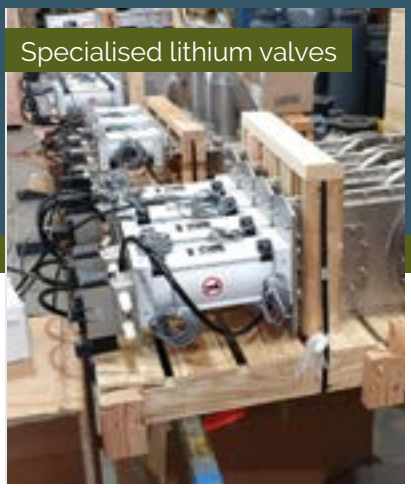
System type: Lean phase

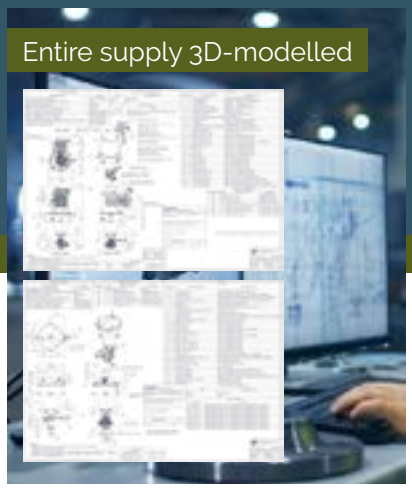
Product: Lithium hydroxide

TPH: 3.5 tph

Deliverables:

- Design and supply
- Mech/elec and control





Stainless steel equipment with no metal-to-metal contact

Production role

Lean phase vacuum conveying of lithium hydroxide from production into intermediate hoppers. The system then transferred the product to vacuum receivers and, finally, bagging stations.

The fully sealed system was integrated with existing plant and control methodology.

System features

Many custom features were built into the solution, including:

- Two independent trains with multiple diverters for hopper selection
- Fully stainless steel 316L hoppers and vacuum receivers
- Use of variable speed drives to control product flow
- Pneumatic gate valves and stainless steel rotary valves with nylon rotors to feed product
- No metal-to-metal contact to avoid contamination

Project outcome

Pneuvay provided a full turnkey system and engineered a solution optimised for its role in production.

This involved installing equipment and testing for any faults, whilst maintaining transparency with the end user.

The project was completed ahead of deadlines.

Visit our website for more information on our completed lean phase pneumatic conveying projects.

PNEUMATIC CONVEYING & POWDER HANDLING SYSTEMS

Phone (toll free): 1800 786 642 **Email:** sales @pneuvay.com.au **Website:** www.pneuvay.com.au
Office: 11 Steele Court, Tullamarine, Victoria 3043 (03) 8470 3088 Fax: (03) 9330 0185