

## KNIFE GATE VALVES FOR LIME SILOS

The TL through conduit knife gate valve has increased the productivity of the mining plant, with 5 months of uninterrupted service.

### Application

- Lime silos

### Challenge

- Avoid valve jamming caused by the lime

### Working conditions

- Medium: lime
- Temperature: ambient
- Ambient humidity: 50 %

### Solution

- TL through conduit knife gate valve

### Result

- Satisfactory valve performance with 5 months of uninterrupted service

**The ORBINOX TL knife gate valves were installed in April 2024 and have operated with no issues so far, ensuring efficient and reliable long-term operation.**

Lime is an essential component in the copper concentrate production process, used to adjust the pH and remove impurities.

Valves that had previously been installed under the lime silos jammed frequently during operation. Valve performance was less than 2 months.

ORBINOX proposed the installation of TL through conduit knife gate valves in collaboration with Provetek, our local distributor.

### ORBINOX proposal



TL through conduit knife gate valve

Size: DN 10"

Gate: duplex 2205

Seat: metal with a deflection cone

Actuator: double acting pneumatic cylinder

