

# Leach Plant Salt Conveyor

A salt conveyor feeds 80 mtph of ammonium sulphate crystal fines into two silos. The Client had partially completed a new feeder belt; a new conveyor belt to transfer product was required. The new conveyor belt system – approximately two feet wide and two hundred feet long – was to be fully enclosed.



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\$4M TIC



## SCOPE DEFINITION

Rally's initial scope was to design the structural foundations and steel required to support the 200-foot-long inclined gallery. The Client subsequently asked Rally to provide materials handling expertise for the new equipment. The scope expanded to include the mechanical design and specifications for the new conveyor.

## PROJECT DELIVERABLES

As the project progressed, the Client assigned additional work to Rally. This included the design of a new feed transfer chute, plus the provision of construction field support through to completion.

Project challenges included the tight physical constraints around the new conveyor, which necessitated a high feed angle and a modular design concept. The work was also executed within a short plant turnaround window, minimizing the impact to normal operations.