

A large industrial conveyor system, likely for mineral processing, is shown from a high-angle perspective. The conveyor consists of multiple parallel belts supported by a complex steel framework. The system extends from the foreground into the background, where it meets a large open-pit mine. The mine site is filled with earthmoving equipment and piles of earth. The sky is clear and blue.

Hillgrove Resources Case Study



Hillgrove Resources Copper Mine

Hillgrove redeveloped a known Copper deposit at Kanmantoo in the Adelaide Hills. Originally mined in the late 1800's, and then again in the 1970's, Hillgrove reopened the mine and established a Mineral processing plant capable of processing about 2.4 Million tonnes a year of Copper Ore.

Improvements to the plant, some of which ammjohn has assisted with, has resulted in an increased processing capacity of 3.6 Million tonnes a year.

Due to the ongoing demands of running a mine site ammjohn have assisted Hillgrove with the placement of a resident mechanical engineer on site, from the start of the mine in November 2011 until approximately 2018.

Based in the processing department, and reporting to the Processing Manager, ammjohn provide site engineering and assist in all aspects of extracting the copper from the ore from the loading of the Run of Mine bin, crushing, screening, grinding, floatation, thickening, loading the concentrate into the trucks for shipment, tailings dam storage and water reclamation.

The Brief

Initially ammjohn got involved to assist with the BFS. However due to the long-term relationship with Hillgrove, the current brief is always developing but involves the ongoing engineering support for the processing facility and all ancillary requirements to maximise recovery and increase uptime.

How We Helped

ammjohn originally provided project engineering and other supporting roles during the BFS phase. During the pull down and relocation of the Process Plant from Fitzroy crossing ammjohn provided project support and site supervisory, and during erection of the plant provided project engineering as part of the Owners team.

Since the process plant was commissioned in 2011 ammjohn has provided, and continues to provide, comprehensive engineering support ranging from project scoping, design, procurement, installation and commissioning.

Outcome

Execution of projects on time and on budget delivering all requirements as per the project outline and scope.

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We are a specialist project engineering and management company providing a range of services to clients. developing and constructing industrial, mine process and oil and gas facilities. We have experience and expertise in servicing the oil and gas and cement industry – locally, nationally and internationally. Our project management services range from small to medium scale (<\$200M).

OUR CORE STRENGTHS

WHY CHOOSE US?

- Whole of project life-cycle services, from pre-feasibility studies to hand-over and close out
- We adopt a business partnering approach with solutions tailored to the client
- Highly experienced executive management and personnel
- Guaranteed to deliver
- Demonstrated safety track record

OUR VALUES

- Nothing takes precedence over safety
- We strive for excellence in everything we do
- We are motivated and committed to deliver outcomes-based solutions
- We pursue new creative ideas and opportunities
- We are a team and team with our clients

OUR INDUSTRIES

- Oil and Gas
- Mining and Mineral Processing
- Cement and Concrete Industries
- Infrastructure
- Renewable Energy
- Bulk Materials Handling
- Food and Beverage

