Case Study

BHP Mitsui Coal

DESWIK
BOLT

Value chain optimization software to increase profit, reduce costs and maximize efficiency.

10x
Improvement to planning processes

Scenarios
Rapid what-if scenario planning now possible

Pit-to-port
Guaranteed planning optimality

Automating and optimizing complex coal supply chain systems

THE CUSTOMER

BHP Mitsui Coal (BMC) owns and operates two open-cut coal mines in the Bowen Basin, Central Queensland, Australia - South Walker Creek and Poitrel mine which together produce 7 millions of tonnes in coal per year. The two sites are located about 50kms apart, yet share a planning team across both mines.

THE PROBLEM

With one planning team operating across two massive sites, they recognized the need to increase the sophistication and capability of their planning tools to automate processes where possible and improve supply chain efficiency.

THE CHALLENGES

- Millions of variables needing to be simultaneously solved across the supply chain
- Plans required to manage the entire supply chain across both sites
- Interdependency between the two mine plans resulted in an iterative process
- Different workflows and processes at each site presented difficulties
- Technical issues integrating relevant data in a readily accessible form
- Planning changes required manual reworking
- Significant key man risk with knowledge and expertise held by a few key team members

THE SOLUTION

Deswik deployed BOLT, a cloud-based supply chain optimization support tool to automate, optimize and centralize the planning process. This resulted in:

- Optimal planning solutions generated in minutes
- Flexibility in configuring customized workflows, interfaces
- Plans that could span different time horizons
- Custom uploaders able to accept a variety of data sources
- Deployment of the BOLT Historian feature to track stockpile actuals (tonnes and attributes) for comparison with projections to validate the planning process across the entire supply chain

DESWIK
BOLT

Learn how to maximize supply chain efficiencies with the power of industrial mathematics.

SCHEDULE A DEMO