

Workforce Forecasting Model



Hamersley Iron (now known as Rio Tinto) is the premier iron ore miner in Australia with many decades of reserves in its Pilbara operations. Recent unprecedented demand for export iron ore will require significant increases in workforce, many of whom will need to be accommodated in new housing. Hamersley Iron had no systematic means of forecasting workforce and the associated housing, infrastructure and service needs.

Pracsys created a dynamic forecasting model to link mine output models to workforce needs and town site service levels and Infrastructure requirements. The model enables accurate assessment of fly-in fly-out / residential workforce options and their associated implemented costs.

Outcome

The model is widely used by Hamersley Iron for investment analysis and guides the company's decisions on housing construction and supporting infrastructure development.

Client: Hamersley Iron (now Rio Tinto)

Pracsys team involved in this project: Michael Chappell