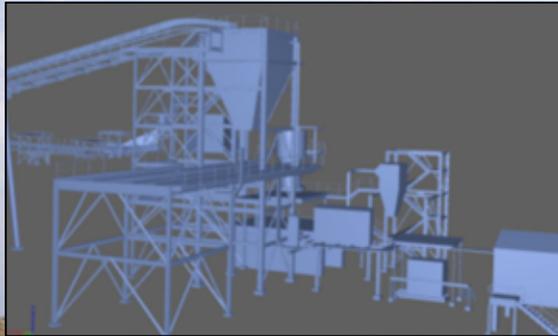


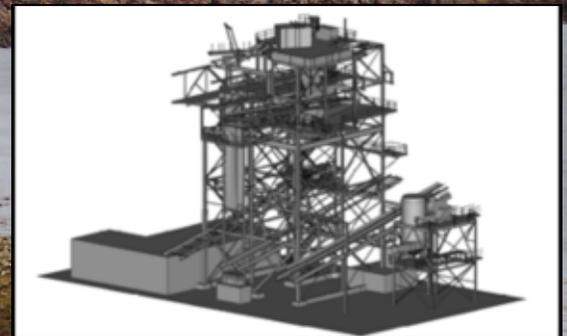


Laser Scanning & Survey Project



RIO TINTO'S IRON ORE MINING, PILBARA REGION, WESTERN AUSTRALIA

Mining Project



PROJECT DESCRIPTION:

- ◆ Rio Tinto's iron ore mining in the Pilbara Region of Western Australia began in 1966. The current output in that region is 237 million tons of ore annually, with plans to increase output to 360 million.
- ◆ Rio Tinto needed to complete a risk assessment for insurance purposes. McNeil Engineering was tasked with providing scan data for many of the facilities, including the C10 Tower and ship loaders. McNeil Engineering utilized laser scanning technology to complete this project.
- ◆ Using the data collected by McNeil Engineering, Rio Tinto was able to have Models created to assess potential damage based on variable risk factors.
- ◆ As Rio Tinto saw the benefit of laser scanning technology, McNeil Engineering was directed to scan more locations than originally contracted.
- ◆ McNeil Engineering was able to provide more accurate data in a shorter amount of time as compared to using traditional survey methods, thus saving time and money for the client.



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