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CASE STUDY-1

Client : BP Bulwer Island Refinery

Location : Australia

Area : 90,000 m²

Number of Scans : 2,500

Area Modelled : 30,000 m²

Project Value : Confidential

Project Details : Surtech was engaged by BP Bulwer Island in late 2005 to scan a large portion of the Refinery Complex (90,000m²) and deliver point cloud databases. A total of 2,500 high resolution scans were completed over a 3 x month period.



Throughout 2006 and 2007 we were subsequently engaged by BP International to carry out 3D modelling of extensive areas of the refinery. These models were used for a corporate virtual plant pilot project and also planning and execution for the planned shutdowns in 2008 and onwards.

Subsequent to hand over of data, BP Bulwer provided testimonials to Surtech of the benefits of the laser scan and 3D models with successful implementation of TAR's carried out on the Alkylation and Regeneration Units in 2008 with no reworks or clashes encountered from a total of 882 new isometrics for the two respective units.