

Vessel Design

Client: Undisclosed



ideas* was commissioned in 2007 to detail design a series of process tanks for one of Australia's major pulp mill processing plants in Victoria.

The tank designs had a range of challenging requirements such as interfacing the tanks with existing pipework and agitator arrangements and the series of complex internal baffles and weirs.

The tank designs also had to adhere to Australian Standards, API, ASME and be designed for earthquake loading.

ideas* project managed the detail design, manufacture, transportation and installation of all the tanks.

Installation and transportation were both quite challenging issues given the tanks ranged in size from 3.5m to 5m diameter and up to 15m tall.



The completed vessel in transport.



A 3D section view showing the complex internal structure of the vessel.