

## Terminal Supply Optimisation Project Concrete Works



<b>Client</b>	Leading Oil Industry
<b>Location</b>	Melbourne, Victoria
<b>Value</b>	Confidential
<b>Duration</b>	Jan to Dec 2017

### Project Overview

A leading oil industry company seeking to drive efficiencies at one of their fuel terminals, embarked on constructing optimised shipping and storage systems for unleaded, jet fuel and high-octane gasoline blendstock through additional and revised tankage, pumping and freight arrangements.

The new facility comprised of one 20ML jet fuel tank, one 20ML unleaded fuel tank, two unleaded fuel export pumps, one high octane gasoline blendstock pump, firewater and foam protection, instrumentation, controls, electrical systems including a new high voltage / low voltage switch room, bunded areas for two new tanks and two future tanks and all ancillary and associated piping, civil and structural works.

Ballestrin were engaged to provide two continuous monolithic pours each totalling 700m<sup>3</sup> of concrete with 150t of steel reinforcement for the tank foundations. Works included the construction of a bund wall with prefabricated edges built on site totalling 250m<sup>3</sup> in concrete reinforced with 30t of steel.

Other works included cutting damaged concrete edges, the supply and installation of formwork, installation of dowel holes, concrete epoxy repair works, installation of reinforcement fabric, supply and placement of 32MPa concrete, and

supply and placement of curing agent. Precast elements were sealed against water seepage using fibre concrete infills.

Works were undertaken inside an operational petrochemical refinery.

