



Case Study

Design, build and operate a multi-product lubricant storage and distribution facility on a former fuel depot.

OVERVIEW

Fuelfix and Tanks2Go was approached by one of Australia’s leading downstream oil majors, to design, build and operate a multi-product bulk lubricant storage and distribution facility.

CHALLENGE

The key to the success of this project was to design and build a new facility on an existing disused fuel storage depot, utilising any reusable equipment and components.

The challenge was heightened by a set capex budget. Moreover, the design had to meet the customer’s requirement for minimum stockholdings of product and unloading/loading flow rates without compromising quality and operational safety.

In summary, the brief for Fuelfix and Tanks2Go was to provide a turn-key solution for a bulk lubricant storage and distribution facility and establish a team to operate the site post-handover on a long term Facility Management contract.



LOCATION	Western Australia
YEAR	2015
INDUSTRY	Oil and Gas
FOCUS	Quality and Operational Safety
SOLUTION	Multi-Product Lubricant Storage Facility - Design, Build and Operate

SOLUTION

Fuelfix & Tanks2Go safely delivered the facility to the client's full product quality requirements and functional specifications.

Firstly, all the redundant equipment including horizontal and vertical fuel tanks, pumps, pipework, electricals and all associated components were dismantled and removed.

Our in-house Engineering team designed a tank farm consisting of a number of 110,000L and 55,000L self-bunded tanks, unloading pad, pipework, pumps, upgraded loading gantry, walkways and electrical services. At the same time, they integrated all regulatory requirements into the facility design.

Our team of electrical experts designed a new electrical main switchboard and co-ordinated an upgrade to site power with the local power supplier.

Our Supply Chain team sourced all equipment and services and ensured quality and deadline requirements were met.

The Project Management team ensured that all components were assembled as designed and fitted into the site footprint. Effective construction supervision was particularly important for:

- Increasing the height of the existing gantry and integrating with new feed lines from the tank farm.
- Reshaping and resurfacing yard roadway levels while integrating with the existing infrastructure.
- Installation of safety barriers, line markings, fences and facility lighting.

Our Operations team established Safe Work

Procedures for the key operational activities and provided handover training to our employees who took on operational responsibility of the facility.

Lastly, a complete package of project documents and drawings of the facility was submitted to the client.

The day-to-day management of the facility includes unloading and loading of products, administrative tasks, grease operations, facility maintenance, housekeeping, stock management, weekly and monthly reporting and much more.

“Appreciate your clear and prompt communication relating to scheduling and notification of deliveries.”

“Well presented facility with attention to detail on safety.”

Client feedback for the Facility Management services by the Fuelfix team.

VERDICT

Fuelfix and Tanks2Go was able to draw on all facets of its business to safely deliver a cost-effective design, build and operate solution to a major customer requiring the highest levels of product quality, operational safety and customer service.

For more information on this case study, write to us at marketing@fuelfix.com.au