

# Stage 3 Caltex Refinery to Brisbane Airport

Caltex Limited | Brisbane Airport | June 2015 to January 2016



**9 HDD**  
crossings

**Dual**  
HDD rig

**2km** under  
active taxiways

**Marine**  
clay

## CHALLENGES

- Marine mud formation
- Acid sulphate soils
- Environmentally fragile areas
- Shared land use
- Airport security requirements.

## SOLUTIONS

- Integrated Management System and its associated policies, procedures and forms were utilised to ensure effective and safe delivery.
- Implementation of a Construction Environmental Management Plan.

## HIGHLIGHTS

- The 2000 metre HDD under the active taxiways was completed using a dual rig setup, consisting of the American Augers DD1100 (Pull Thrust 500 t) and Herrenknecht 250T (Pull Thrust 250 t).



## SERVICES & TECHNOLOGIES



**HDD Civil Construction Steel Welding Design Project Management Pipe Testing**  
**Vermeer 80 Vermeer 100 Vermeer 330 American Augers DD1000 HK HDD250t**

## PROJECT NUMBERS

**10 inch steel product pipe**  
**4.4 km total pipeline installation**  
**5 HDD rigs**  
**8,500 total man hours**



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