



QUEENSLAND SUGAR WHARF & SHED REPAIRS

CAIRNS, QLD

MAINTENANCE – MARINE

PROJECT

Wharf and Shed Repairs

CLIENT

Queensland Sugar Limited
Adam Seawright 07 4760 4450

DURATEC CONTACT

Derek Loughnane 0439 537 441

DESCRIPTION

Queensland Sugar Limited (QSL) is one of the largest and most efficient bulk sugar terminal operators in the world. The Cairns bulk terminal was established in 1963, with a storage capacity of around 250,000 tonnes of raw sugar.

Duratec was contracted by QSL to undertake concrete repairs to concrete wharf piles and piles supporting the terminal shed.

The scope included:

- ▶ A comprehensive survey by hammer tapping to identify all defective concrete.
- ▶ Removal of deteriorated concrete cover to expose all corroded steel reinforcing.
- ▶ Clean of steel surface and application of zinc rich primer.
- ▶ Installation of sacrificial anodes.
- ▶ Reinstate concrete cover.
- ▶ Application of polyurea coating system to mooring dolphin.

HIGHLIGHTS

- ▶ Access to wharf piles was carried out by a combination of marine vessel and work barge.
- ▶ Application of polyurea coating to dolphin over water with no environmental incidents.



IMAGES (FROM TOP TO BOTTOM)

- ▶ Condition of concrete piles pre-repair.
- ▶ Reinforcement primer and anode install.
- ▶ Dolphin surface with polyurea coating.