

## REPAIR OF HERITAGE LISTED NORTH REEF LIGHTHOUSE

<b>LOCATION:</b>	110 km off Shore via Gladstone and Rosslyn Bay
<b>PRINCIPAL:</b>	<b><u>Australian Maritime Safety Authority (AMSA)</u></b> AMSA Nominated Officer Greg Hansen – P: 02 6279 5613
<b>PERIOD:</b>	October 2010 to June 2011
<b>VALUE OF WORKS:</b>	<b>\$1,588,331.36</b>
<b>MAJOR SUBCONTRACTORS:</b>	Diamond Protective Coating Services, Cassowary Coast Scaffolding, Danlaid Cairns, Brent Cook Blacksmith, Curtis Ferry Services, Australian Helicopters
<b>MAJOR SUPPLIERS:</b>	Boral Concrete, Coventry Fasteners, Global Fasteners, Johnstone Joinery, Midway Metals, Stramit

**DETAILS:** The works involved the renovation of a 26m high, 130 year old, heritage listed Lighthouse situated on a sand cay on the Great Barrier Reef 110 km off shore of Gladstone and Rosslyn Bay (Yeppoon). All staff members, materials, machinery, food & water were brought to the lighthouse by barges, boats & helicopter. All waste including sewerage, building rubbish, scrap metal, waste abrasive was brought back to the mainland for safe disposal at approved facilities. A recycling program for steel, aluminium stainless, copper and lead was followed.

The works included removal of asbestos, abrasive blasting of paint containing lead, erection of scaffold, encapsulation of scaffold and negative air dust extraction, roofing including curved guttering, cladding, fabrication of platform for solar panels (in 316 Stainless Steel – fabricated at our Steel Fabrication at Mission Beach), foundation slab, refurbishment of the Lantern Room, fitting of curved glass panels, riveted sheeting, general building repairs, repairing windows, sourcing of original timbers to match existing, cast iron site welding, re-painting inside and outside.

The site set-up included a turtle safe fence to keep Marine Turtle hatchlings away from the work area. Tents were set up for accommodation, meal and office area. The project was carried out during the turtle nesting season to avoid the Sea Eagle nesting times in accordance with a strict environmental management plan. The project ran continuous on a 7 days per week from commencement till completion including public holidays, and a caretaker role during the Christmas break.

**Procurement System: Traditional (Lump Sum)**

**Service Category: Heritage listed renovation Work**

**Project Type: Building & Civil Works**

**Service Activities:** Engineering Fabrication, Stainless Steel Fabrication and Blacksmith, Painting, Waterproofing, Roofing.

**Project Environment: Extremely Sensitive**

