



# NCS HEH NAVY PIER REFURBISHMENT

EXMOUTH, WA

PROTECTIVE COATINGS - MARINE

## PROJECT

NCS HEH Navy Pier Refurbishment

## CLIENT

Raytheon Australia

## DURATEC CONTACT

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## DESCRIPTION

Duratec was engaged to undertake major abrasive blasting and structural repairs to the Harold E Holt naval pier, located in Exmouth.

Situated within the Ningaloo Reef world heritage listed area, the works consisted of installation of a full access system and encapsulation, removal of the existing coal tar epoxy coating, structural refurbishment of the areas damaged by corrosion, followed by the reinstatement of high build epoxy coatings.

The 2018 coatings program is the first of a 4-5 year program eventually resulting in a full refurbishment, extending the life of this critical asset.

## HIGHLIGHTS

- ▶ Extreme controls were put in place to ensure minimal impact in the highly sensitive marine location, including the development of a detailed Environmental Manager plan.
- ▶ Duratec completed an extensive steel replacement and strengthening program during the works which included structural assessment, compensation and overplating installation and comprehensive post weld NDT testing.
- ▶ The Installation of the HDPE jacketing system, installed by a combination of rope access and dive crews, was provided as a solution to a high risk area of the works and resulted in additional warranty and reduced maintenance option for the tidal zone works.



IMAGES (FROM TOP TO BOTTOM)

- ▶ Overview of the pier.
- ▶ Installation of encapsulation system.
- ▶ Removal of the redundant barge bumpers completed during the project.



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IMAGES (FROM TOP TO BOTTOM)

- ▶ Typical steel repairs.
- ▶ Preparation for coating removal.
- ▶ Coating removal.

IMAGES (FROM TOP TO BOTTOM)

- ▶ A combination of experienced dive team and Duratec's in house rope access team was utilised to install the Denso 2000FD jacket system.
- ▶ A strict encapsulation program was followed to ensure that 100% of the material was recovered during the hazardous coatings removal works.
  - ▶ Coated structure.