



EPTEC

Asset Preservation
& Rehabilitation

When Risk Matters!

DEFENCE SOLUTIONS OVERVIEW



WHAT WE DO

Eptec Defence Solutions is the leading Marine Preservation Contractor across Australia. With a presence in all major shipyards, Eptec has worked on almost all of the Australian Navy fleet, ships from the US Navy and NZ Navy, and many commercial vessels.

Eptec carries out blasting, painting, insulation and lagging to support the shipbuilder through the complete ship lifecycle. From unit construction, consolidation, and compartment completion, through to delivery of the new build and subsequently also during major & minor maintenance and system upgrades.

WHO WE DO IT FOR

Eptec usually works as a contractor to Primes as an Australian leading preservation specialist.

Eptec has worked across both naval and commercial sectors, with experience in both new build and maintenance work. Some of the Primes and owners we have worked with include: ASC, ASP Ship Management Group, BAE Systems, Forgacs (now Civmec), Harbour City Ferries, Svitzer Australia, Thales, TT Line, and many more.

OUR APPROACH TO SAFETY

Paramount in all we do is the safety of our people, clients and the community. We understand that safe projects are successful projects and by managing risk at every level, we aim to keep everyone safe, every day.



Block/Unit/Module Preservation

During this initial phase of construction, following the completion of all practical hot work by both the fabrication and outfitting trades, Eptec completes all the practical blasting, painting followed by insulation and lagging work.

This includes "Lock out" areas for those areas which would not be accessible following the commencement of fit out, in the next phase of construction. It excludes "no paint mark-up areas" for items which are still in the detail design phase where additional hot work will be required at a later date.

Consolidation & Fitout

During the consolidation phase the fabrication trades progressively consolidate the blocks to form the full hull and superstructure of the ship. Following the fabrication trades, the outfit trades progressively install the various compartments of the ship with all the assorted fitout items across the numerous types of compartments.

In line with the detailed shipbuilding schedules, Eptec progressively completes the preservation, insulation and lagging across the various compartments of the ship.

Compartment Completion & Pre-Delivery Docking

Following the installation of minor equipment and fittings, Eptec completes all remaining paint, insulation and lagging work to allow each of the compartments (weather decks, machinery spaces, accommodation, etc) to be handed over by the shipbuilder to the Navy or owner representative.

Before delivery, the vessel is docked for a final hull inspection and receives repairs prior to the final coats of antifouling. Eptec provides this service with its highly experienced workforce who are specially trained in the application of both self-polishing antifouling and silicone based foul release coatings.

In-Service Preservation (Alongside)

Once in-service, Eptec carries out any required preservation, insulation and lagging during alongside maintenance activities. This can include weather decks, flight decks, superstructure, tanks and individual internal compartments.

Depending on the task, Eptec can provide a wide range of services from hand power tool cleaning, to wet or dry abrasive blasting or Ultra High Pressure Water Blasting.

Eptec owns an extensive fleet of specialised surface preparation and application equipment, and can mobilise to provide in-service preservation services nationwide.

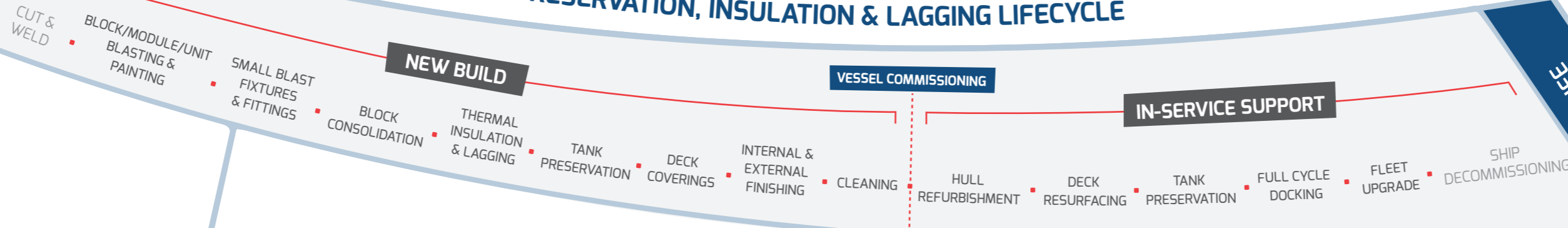
Major Maintenance/Refurbishment (Docking)

Similar to in-service preservation, Eptec also carries out blasting, painting, insulation and lagging activities during routine docking periods for major maintenance, refurbishments and/or system upgrades.

Eptec utilises wet / dry abrasive blasting or Ultra High Pressure Water Blasting at 40,000 PSI to remove existing coatings, prior to reinstallation of anticorrosive or antifouling coatings.

DESIGN

SHIP PRESERVATION, INSULATION & LAGGING LIFECYCLE



www.eptec.com.au



When Risk Matters!

If you require any further information or if you have any queries, please contact the Eptec head office.



History

Eptec was founded in 1997 in Sydney, with a team of experienced staff who had already developed decades of experience on major infrastructure and defence projects in the niche markets of corrosion protection, waterproofing and fibre glass with one of Australia's leading construction companies.

In 1998, Eptec won the preservation, insulation, lagging and cleaning contract for the new build Anzac frigate fleet in Williamstown, Victoria. This became an 8 year contract and positioned Eptec as the leader in the specialised corrosion protection of naval vessels in Australia.

In 2005, Eptec won the blasting and painting contract for the new build Project Protector Fleet in Williamstown, VIC and Whangarei, New Zealand. This was a 5 year project for the New Zealand Navy for a total of 7 vessels.

In 2005, Eptec also teamed with a prime for the conversion of MV Delos to HMAS Sirius in Perth, WA. This was the first conversion undertaken for the Royal Australian Navy.

In 2011, Eptec was awarded the blasting and painting on new build LHDs in Williamstown, VIC and the pre-delivery docking of LHDs at Garden Island in Sydney. This was a four year project.

In 2012 Eptec was awarded the full external coating removal using hydroblasting and full recoating of the 1st Anzac ASMD ship at Henderdson, WA. This developed a 5 year relationship completing work on all 8 Anzac ASMD ships external preservation.

All projects were undertaken on a lump sum fixed price basis and delivered on time and on budget; to a standard that exceeded client expectations and with an excellent safety record.

This experience in New Building & Maintenance in the Marine Industry is unique to Eptec. Today, Eptec has established a presence across a range of industry sectors including Defence, Infrastructure, Water & Wastewater and Energy & Resources.



Capabilities

Specialist Engineering Contractor

Typically Eptec operates as a contractor to either the Asset owner or Prime Contractor. Our contracting capabilities noted below ensure Eptec is well positioned to support the delivery of projects and minimise risk.

Project Management

Project management is at the centre of everything Eptec delivers. Every contract is assigned to a Project Engineer to ensure schedule/cost is tightly controlled. On larger projects, Project Offices are established with staffing to provide Project Management, OHS&E Management and Site Administration.

Multi-Skilled Workforce

As a result of employing its own permanent workforce, Eptec is able to multi-skill employees in the full range of services it provides. This greatly improves both the efficiency and effectiveness of Eptec teams on large projects.

Flexible & Rapid Deployment

Eptec has built a reputation over many years for

its ability to rapidly mobilise and deploy significant resources to often remote locations without relying on Labour Hire or Subcontracting companies.

Independent Engineering Function

Eptec is independent of any material or product suppliers and employs its own Senior Engineers with many years of experience in the industry. This in-house capability ensures Eptec is able to enhance or suggest alternative solutions to more complex problems.

Contract Discipline

Our experience and in-house contract management capability ensures a professional contracting discipline and an ability to manage the demands and risks associated with large and complex contracting arrangements.

Accreditations

Eptec is fully accredited for its Safety, Quality and Environmental Management System. The Eptec Management System underpins everything that we do and ensures a consistency of delivery on every project. Eptec also holds many specialist industry accreditations and certifications.

Contact

Eptec Defence Solutions

P.O. Box 4067
Macquarie Centre NSW 2113, Australia

Head Office:
Level 2, 68 Waterloo Road
Macquarie Park NSW 2113, Australia

t: +61 2 9034 6969
e: eptec@eptec.com.au

www.eptec.com.au

