



# Total Asset Protection

## Overview

Corrosion represents an expensive problem across many industries including construction, energy and resources, water, transport, marine and defence. In Australia alone, it is understood that corrosion has a cost to the economy of over \$30 billion each year. If left unattended this can result in serious structural implications. The effect is potentially catastrophic with authorities continually needing to assess, maintain and remediate structures against the effects of corrosion.

Several methods can be used to prevent and remediate damage caused by corrosion. This includes the application of high-tech coatings, repair of steel reinforcement, crack repair, spalling repair and specialised design and installation of cathodic protection (CP) systems. Very few companies, however, offer a full suite of solutions to this growing and significant problem.

The introduction of Corrosion Control Engineering (CCE) to the group has enhanced Eptec's capability as one of Australasia's foremost corrosion prevention and protection solution providers. Eptec Group offers exactly that, a suite of services that preserve, rehabilitate and strengthen structures; making them more sustainable, increasing capacity and extending their useful life.

Collectively, we take a well-considered, experienced and engineered approach to developing whole-of-life solutions for our clients.

## SERVICE SECTORS SOLUTIONS



- Naval Vessels
- Commercial Vessels
- Land-based infrastructure

- Strengthening and repair
- Design supply and install of CP systems



- Road bridges and tunnels
- Rail stations and Depots
- Ports Wharves, Jetties and Silos

- CP design supply install & Maintain
- Blasting, Coating removal / applications
- Repairs & cleaning



- Oil & Gas facilities & stores
- Chemical plants
- Mining, Power Stations, Renewables, Pipelines

- Structural steel protective coating application and remediation
- CP system design, supply, install & maintain



- Wind turbine Whole-of-Life
- Industrial installations

- Structural steel protective coating application and remediation
- CP System maintenance



- Commercial Buildings
- Car Parks
- Warehouses

- Structural strengthening, concrete repair, waterproofing and protective coatings
- Cathodic protection



- Storages, dams and reservoirs
- Treatment plans
- Sewers
- Pump stations

- Repair and coatings, digester and effluent tank renewal and protection
- CP System design, supply, install & maintain

**ZERO HARM**

*underpins everything we do*

As one of Australasia's leading providers of structural protection and rehabilitation services, Eptec Group is renowned for successfully delivering projects that are technically challenging, time-critical, and access-constrained. Eptec continually develops solutions utilising the latest technologies and thrives on returning assets to service safely, on time, within budget and with unparalleled quality.



## Total Asset Protection



### Our Services and Solutions

CCE enhances the group's capability in Total Asset Protection. Our services are delivered using the following approach where we:

- Assess integrity
- Develop a sustainable program
- Deliver whole-of-life asset protection solutions
- Monitor and maintain
- Continuously improve

This provides long-term benefits to our clients across the life of their assets.

### Health, Safety, Environment and Quality

At Eptec Group, we take pride in the quality of our work, environmental stewardship, and, most importantly, the health and safety of our employees, clients, and community members.

Below is a small representative sample of projects

#### Bennelong Apartments – Sydney NSW



Design, supply and installation of an Impressed Current Cathodic Protection (ICCP) system to select concrete steel reinforced elements in basements

#### Warragamba Dam Stop Log Guide Rails Refurbishment – Warragamba NSW



Dam wall was extended in 1991. Steel guide rails in the upstream face facilitate the installation of stoplogs allowing maintenance of the four radial gates.

#### Peats Ferry Bridge - Mooney Mooney, Sydney NSW



Scaffolding and encapsulation of spans, Abrasive blast lead abatement, Application of RMS 3 coat system. Concrete repairs, Cathodic protection, Steel repairs and installation of new crash barriers.

