



*When Risk Matters!*

# CAPABILITY STATEMENT

## Energy & Resources

## Introduction

Eptec is a specialist industrial contractor in Asset Preservation and Rehabilitation. Our expertise is engineered solutions using resin technology to provide concrete rehabilitation, corrosion protection, glass reinforced plastics, waterproofing & linings and thermal insulation.

With offices across Australia, Eptec is positioned to deliver projects in all States and Territories. With a core workforce of over 250 people, Eptec can rapidly mobilise and deploy resources to anywhere in Australia.

The workforce comprises qualified managers and engineers supported by experienced supervisors and permanent employees. One of Eptec's strengths is the use of our own permanent workforce rather than reliance on subcontractors. With skills developed over many years, Eptec guarantees highly responsive, flexible and committed teams ready to undertake projects in even the most remote areas.

Typically Eptec's solutions use the latest resins technology for coatings, cement grouts, epoxy grouts, waterproof membranes, high tech reinforcement such as carbon-fibre and many other innovative and specialised products. Eptec does not manufacture products and can call on the expertise and knowledge bank of all the major worldwide suppliers to assist in providing engineered solutions. We will often participate with manufacturers in the development and application of new products, always with a vision for improving industry techniques and safety and environmental awareness.

Our specialised services are applicable across a broad spectrum of industries including Defence, Water & Wastewater, Infrastructure and Energy & Resources.



Corrosion Protection



Concrete Rehabilitation



Linings & Waterproofing



Fibre Reinforced Plastics



Thermal Insulation

Eptec has extensive experience in undertaking asset maintenance work for the Energy and Resources sector, with a proven track record of safely and effectively delivering high quality outcomes to clients.

- Corrosion Protection – Ultra High Pressure Water and Abrasive Blasting, Application of Coatings
- Concrete Rehabilitation – Spall Repair, Crack Injection and Carbon Fibre Reinforcement
- Linings and Waterproofing – Thermo Plastic / Thermoset Sheet Linings, Spray Applied Linings
- Fibre Reinforced Plastics – GRP/FRP Piping Systems, Installation and Jointing, Shop Spooling, Carbon Fibre Structure Strengthening
- Grouting – Ground Stabilisation, Void Filling, Water Sealing, Chemical Grout Pressure Injection, Cementitious Grouting

### **Industry Sectors**

Eptec is a specialist at providing tailored solutions, meeting the individual needs of our clients across Energy and Resource Industries including:

- Soft Rock and Hard Rock Mining, Surface Operations and Underground
- Oil and Gas
- Power Generation. Thermal, Hydro, Wind and Solar

Our capabilities in complimentary industries such as Water and Wastewater, Tunnels and Bridges, Tank Repair and Sealing, provide Eptec with a comprehensive support services ability for our Energy and Resources clients.

**Remote Capability:** Eptec's modularised equipment and mobile workforce means that complex projects in remote locations can mobilise expeditiously.

### **Management Experience**

Eptec has a dedicated Management Team with many man years of experience delivering Asset Preservation and Rehabilitation Services in Industries where Risk Matters.

A November 2011 audit of Eptec's Management System to ISO 9001:2008, AS/NZS 4801:2001 and BS OHSAS 18001:2007 AS/NZS reported that "The organization's Executive Management continue to provide clear direction and guidance to the senior managers of each business unit operations; continually maintain communications and performance measurement to encourage development of business improvements at all levels".

Each person within Eptec is committed to a workplace where Safety, Quality, Environmental and Heritage Protection and a Just Culture is inherent in everything we do. Our clients appreciate our ideals and commitments and share our goals.

## **Technical Expertise**

### **Corrosion Protection**

Eptec's corrosion protection expertise is founded on many years of experience in industries such as petrochemical, mining, public utilities, marine offshore, construction and the highly demanding Naval defence works.

PCCP accredited in classes PCCP Class 1 - Class 5A & 5B, EPTec offers quality service through a wide range of activities such as corrosion protection of new steel construction, repair and refurbishment of existing corrosion protection systems and long term maintenance contracts.

### **Concrete Rehabilitation**

Eptec's capable staff have amassed many years experience delivering spall repairs (concrete cancer), sealing cracks through resin injection and strengthening concrete utilizing Carbon Fibre Reinforcement. Cementitious and Epoxy Grouting delivering strength and fast curing times.

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### **Fibre Reinforced Plastics**

Eptec's management and staff are amongst the most experienced in the region and are uniquely positioned in Australasia for the design, supply and installation of all types of FRP. By selecting from the most qualified fabricators worldwide, Eptec can supply the optimum Reinforced Composites system solutions.

### **Chemical Grouting / Pressure Injection**

Eptec's experienced technical staff revel in solving problems that others find too difficult. When combined with the experience of our partners around the world there is no ground stabilization, subterranean water management or tank leakage that our capable team cannot deliver.

### **Project Management**

With engineers and project managers from a wide range of fields and experience on both large and small projects, Eptec is ready to provide management services for specialist types of projects. Our resources are currently established with the capability to offer project support throughout Australia.

## Significant Projects

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### **Sino Iron Project**

**Location :** Cape Preston, Pilbara, WA

**Client :** CITIC Pacific Mining Management /  
UGL Resources

**Scope of Works :** Protective coatings to steel and concrete structures with various coating materials, FRP lamination, site fabrication of spools and repair works, grouting, plastic welding.

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### **Windfarm Maintainance**

**Location :** Snowtown & Hallet, SA

**Client :** Suzlon

**Scope of Works :** Maintenance of wind turbines: mechanical cleaning, protective coating , fibreglass repairs

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### **QAL Caustic Tanks Refurbishment**

**Location :** Gladstone, QLD

**Client :** Queensland Alumina Limited

**Scope of Works :** HDPE Lining, steelwork fabrication, civil works, epoxy coatings, grout injection



### Olympic Dam Project

**Location :** Sydney, NSW

**Client :** Western Mining Corporation

**Scope of Works :** Spooling of FRP pipe systems, shop manufactured fittings, quality assurance procedures, conductive pipework spools testing



### Tank Relining Project

**Location :** Sydney, NSW

**Client :** Shell Company of Australia Limited

**Scope of Works :** Lining of underground petrol tanks, confined space and explosive precautions, FRP corrosion resistant and leakproof lining, pneumatic testing

### Capital Windfarm

**Location :** Bungendore, NSW

**Client :** Suzlon

**Scope of Works :** Maintenance of the wind turbines including mechanical cleaning, application of protective coating and fibreglass repairs.



## Contact Details

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