

 OIL AND GAS PROTECTIVE COATINGS
CAPABILITY



INCOSPEC 
CORROSION ENGINEERS

Conformance. Compliance. Reassurance





ABOUT US

Since 1981, Incospec have been providing expert consultancy in the field of Corrosion Engineering to all corners of Australia and overseas. We are a wholly Australian owned and operated company.

We have offices in Brisbane, Sydney, Darwin, Melbourne and Adelaide. When retaining Incospec to undertake inspections and analysis, you are retaining the largest team of full-time coating inspectors and consultants in Australasia.

Our experience in the industry has proved to us that independent coating inspection is a value-adding exercise that ensures that our clients durability expectations are met and exceeded.



INDEPENDENCE

A fully-independent organisation, Incospec is not aligned to any coating supply or application companies. This gives us the opportunity to offer totally unbiased advice. We are also able to use this independence in areas of conflict resolution and failure analysis.



ACCREDITATION

Incospec coating division is a **NATA** accredited Inspection Company (no. 19849), subject to audit and evaluation by this esteemed body.

All of our coating inspection and consultants are trained to the **NACE CIP** standards of accreditation. We are also a registered corrosion consulting group with the Australasian Corrosion Association (ACA).



Experience. Independence. Excellence



PROJECT CAPABILITY

Independent Coating Inspection

Condition Assessment

Repair Prioritisation

Specification Development

Specialist Access

Failure Analysis

Contractor Auditing

Inspection and Test Plans

Training

Expert Witness

> TESTING CAPABILITY

Surface Preparation

Surface Profile inspections

QA/QC System auditing

Dry Film Thickness testing

Continuity Testing

Cure Testing

Wet Film thickness testing

Concrete Cover depth

Chloride Ingress



Surface Contamination testing

Equipment Auditing

Environmental readings

Adhesion testing

Abrasive media testing

Hardness testing

Moisture testing

Concrete Carbonation



Qualified. Analysed. Certified



> SPECIALIST ACCESS CAPABILITY

Incospec and its partners are proud to offer drone inspections and photography for coating and condition assessment/survey projects.

Utilising RPAs (Remotely Pilot Aircraft) allows us to inspect assets in a safer, faster and more cost-efficient way. UAVs or 'drone' technology has moved very quickly over the last few years and is now becoming a commonplace technology for undertaking condition assessments, sampling, scanning and commercial photography.

The benefits of using drones for certain projects include:

- Reduced OH&S risks for staff
- Faster setup times
- Faster survey times
- Reduced client costs for scaffolding/EWP/Rope access teams
- Ability to continue work during poor weather conditions
- Improved access and perspectives to assets
- Significant increase in types of data that can be collected such as:
 - Thermal imaging
 - Volumetric calculations
 - Surface modelling/contouring
 - 3D modelling
 - Air/water/soil sampling



> OIL AND GAS PROJECTS

OFFSHORE OIL AND GAS PLATFORMS (BASS STRAIT)



Incospec have been providing the following services for Esso Australia's onshore and offshore assets since 1999:

- Coating and Corrosion Condition Assessment and maintenance scope prioritisation
- 3rd Party Coating Inspections
- Coating Failure Analysis
- ITP Development and Review

ICHTHYS GAS PLANT (NT, NSW)



Incospec have been undertaking 3rd party coating inspection works for several tier 1 contractor packages. Package works include TMP-1, BLD-1, & MEC-2.

Incospec have been involved in inspecting all stages of coating works, from surface preparation, through to onsite post-build repairs.

OIL AND GAS PROJECTS

CRUDE OIL TANKS—PORT BONYTHON (SA)

Since the mid-1990's, Incospec have remained as the first choice consultant for Santos to oversee the maintenance coating activities undertaken at their Port Bonython Gas Plant.

We have overseen the coating works undertaken on all site tanks, (both internal and external) as well as many other critical plant assets.



MONTARA FPSO (TIMOR SEA)

Incospec have undertaken several stages of Coating and Corrosion Condition Assessments on this FPSO since 2014. Using in-house techniques and methodologies, we have developed a 5-year corrosion control maintenance plan for this client.



➤ OIL AND GAS PROJECTS

GAS PLANT PROCESSING TOWERS CORROSION UNDER INSULATION (SA)

Incospec were engaged to act as the asset owner representative overseeing this major CUI remediation project at Port Bonython, SA.

We undertook third-party inspections at all key hold points of the coating program, from abrasive blasting through to insulation reinstatement.



SAKHALIN ISLAND ONSHORE AND OFFSHORE ASSETS (RUSSIA)

Incospec were engaged to conduct coating and corrosion condition assessments of all onshore and offshore plant assets. This project was undertaken utilising Incospec's proprietary Guardian® system which the client utilises to prioritise their maintenance corrosion control program.



> CONTACT

> Incospec Pty Ltd

Head Office

Level 1,
86-88 Melbourne Street
North Adelaide SA 5006

Postal

PO Box 7069
Hutt Street
Adelaide SA 5000

National Toll Free

1300 721 029

tel +61 8 8267 4744

fax +61 8 8267 4434

mail@incospec.com.au

www.incospec.com.au

ABN 93206390840



Adelaide. Brisbane. Darwin. Melbourne. Sydney

Metallurgy & Materials Consulting

3rd Party Welding Inspection

3rd Party Coating Inspection

Corrosion Consulting

Cathodic Protection

Investigation & Failure Analysis