



... simply better protection!



## DSS33 Antenna Canberra Deep Space Communication Complex

Project managed by Raytheon Australia in conjunction with CSIRO on behalf of NASA and the Jet Propulsion Laboratory. The antenna incorporated an 11 meter diameter dish and numerous high-end spares. All items were preserved using Intercept Anti-corrosion and Anti-static packaging for the shipment from Australia to another NASA facility in the US. Intercept Technology was selected as the product of choice for this sensitive equipment.

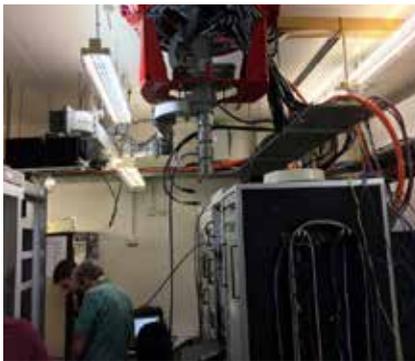
## Inmarsat Land Earth Station

Perth's Western Australian Inmarsat Land Earth station was recently retired from service. The core spacecraft acquisition functionality of the Perth site has been taken over by a new antenna at New Norcia, North East from Perth. The Perth station hosted a 15 metre antenna, and was one of the 29 ground stations used by the International Maritime Satellite Communication System. Intercept Australia provided Static Intercept® Anti-corrosion and Anti-static packaging and applied the Intercept preservation for the antenna components shipped on flat racks with the high-end electronics shipped in containers to its new home overseas in Portugal.



## What Is Intercept Technology?

In basic terms, Static Intercept is a Reactive Copper Polymer (RCP) that combines permanent ESD protection for electronics as well as providing long term protection against corrosion, oxidation and tarnishing which not only affects the physical appearance of the metal, but also affects its electrical properties. Corrosion and static electricity damage metals as well as electronics. Intercept was designed to protect against both.





## RIBS™ M.V.T.R

RIBS™ MVTR (Moisture Variable Transition Rate) is a combination of two inventions that provides a reusable package with permanent electrostatic protection (ESD and EMI Shielding), full MVTR protection and anti-corrosion protection. This heavily metallized laminated co-extruded film contains a single layer of two distinctly different properties.

One side of the extruded film is a matrix of polymer and conductive carbon. The inside layer of the film is a static dissipative, non-sloughing, polymer with a backbone of Reactive Copper that provides a membrane over the carbon layer. The resulting film provides 4 functions:

1. A pathway for electrical charges to flow through the membrane to the conductive layer
2. A pathway for free organic ions to flow through the membrane to be absorbed by the carbon
3. A pathway for free inorganic ions to react with and be neutralized by the Copper in the membrane
4. A metallized polyester to provide EMI and ESD shielding and moisture barrier protection



Photo by Intercept Thailand

Intercept Thailand were engaged to provide preservation for aircraft components to be shipped from Thailand to Europe. Intercept RIBS™ MVTR was the perfect choice as it provided Moisture, Anti-Static and Anti-Corrosion protection all in one product.



Photo by Intercept Thailand

Intercept complies to ROLLS ROYCE RPS 367 specification .

Intercept meets Australian DEF (AUST) 1000C ADF Packaging Standard



Photo by Intercept Thailand

## AIRCRAFT SEA SHIPMENT SINGAPORE TO EUROPE IN STATIC INTERCEPT® SHRINK-FILM



Photo by Tec-hub Singapore



Photo by Tec-hub Singapore



Photo by Intercept Philippines



# ANTI-CORROSION PACKAGING

[www.interceptaustralia.com](http://www.interceptaustralia.com)

## Aeroderivative Gas Turbine Generator

Intercept Australia provided preservation for multiple GETM2500 mobile aeroderivative gas turbine generator sets. Static Intercept® shrink-film was the product of choice for anti-corrosion protection during road transport and lay-down corrosion protection in the North West of Australia. Intercept meets GE specification for preservation packaging.

## Geothermal Power

Intercept Philippines has been working closely with the countries Geothermal power companies to provide long term anti-corrosion preservation. Requirements are access and rotation of the shaft, changing desiccant and to carry out visual inspections without replacing the corrosion preservation packaging.



Photo by Intercept Philippines



Rotar - Longterm Corrosion Preservation



Stator - Longterm Corrosion Preservation

## Bearing Preservation

Intercept Technology™ provides the ultimate short and long term preservation system for small to large bearings and slew rings. Lifting points can be accessed without affecting the preservation. Zip it back up and it goes back to work. Corrosion Intercept® copper coloured films and foams provide a unique visual 'Use-By' indicator...a greening 'patina' occurs over time as the copper molecules become saturated by pollutant gases. **Simply Better Protection ...**



Zipper access window





... simply better protection!

# Mining



Intercept Australia provides total preservation systems offering modern solutions for short to long term, and indoor to outdoor preservation.

The Intercept system takes into account logistics, on-site requirements, and also rotation of bearings and shafts.

Intercept allows for inspection access without compromising the integrity of the anti-corrosion protection. For example, customised Intercept Canvas covers provide a re-usable anti-corrosion solution for a range of items such as engines, electrical motors and highly machined critical spare parts.

Intercept is solvent and volatile free, so no OH&S issues. Intercept products are certified in accordance with ISO 9001:2008. Our on-road crews provide the highest quality of application, enabling Intercept Technology™ to exceed the preservation standards required by our customers.

### Simply Better Protection ...



Customised Intercept Canvas Covers provide a re-usable anti-corrosion solution.

## INTERCEPT AUSTRALIA

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## ANTI-CORROSION PACKAGING FOR: STORAGE LOGISTICS PRESERVATION



100% Reliability  
Corrosion Prevention for all Applications.



Efficient  
Intercept Technology saves Time and Money.



Oil-free  
No more need to oil. Ready for action.



Environmental  
Saves material and protects the environment.