



A LOOK AT THE STUNNING LOCATION OF THE SHANGRI-LA MARINA HOTEL

BACKGROUND

VAE have successfully completed the hot water system upgrade at the Shangri-La hotel site in Cairns North Queensland. As a trained Platinum Partner in the use and application of the AERIS Corrosion Protection solution, the team has produced an outstanding result for their customer and ensured that the investment in the new Mitsubishi Heavy Industries' Q-Ton units will be maximised by offering a 5 Year warranty against corrosion. Given the highly corrosive environment being directly on the waterfront in a marina precinct the coating will ensure significant asset life extension



The AERIS Corrosion Plus products have recently exceeded 30,000+ hours of resistance to salt spray testing and surpassed many laboratory and infield tests for adhesion, abrasion and flexibility properties. This ensures that it remains at the forefront of corrosion coating technology available in the HVAC/R industry for OEM, factory & infield applications.



The AERIS Corrosion Protection Plus product range has been nominated as a category finalist for 2018 AIRAH Industry awards, recognising its innovation as a leader in the HVAC/R market. The corrosion plus product along with the AERIS Guard range are proudly Australian made.

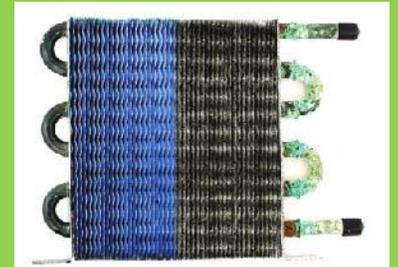
With the combined efforts of VAE, Mitsubishi Heavy Industries Australia & AERIS Environmental, the Shangri-La-la hotel can be confident that their new investment will stand the test of time in this harsh environment.



**SMARTER
HVAC
SOLUTIONS**
Built in certainty

Shangri La Protects Units from Harsh Conditions

*AERIS GUARD Corrosion
Protection Plus
Applied to New Hot
Water Heat Pump
Units in Cairns QLD
Australia*



AERIS Guard™
Corrosion
Protection Plus.
Tested to over
30,000* hours
salt spray
testing.

Typical 'blue fin'
coil protection
only meets 72
hours* salt spray
testing

* Tested to ASTM B117-11

This project involves the decommissioning and removal of the existing 28 hot water systems and replacement with 5 x 32kw (NEW) Mitsubishi Heavy Industries Australia Q-Ton units along with three 3,000L stainless steel storage tanks.



The MHIAA Q-Ton units are the New Generation CO² high efficiency hot water heat pump technology for commercial sanitary hot water. A similar installation completed at the start of the year is on track to provide a substantial savings in hot water energy costs from the previous gas installation.

There are not many harsher environments than on the water front in Cairns, so longevity of the new units was a concern. The solution has been an engagement with Aeris Environmental to train in the key personnel at VAE on the application of the corrosion protection coating to both the fins and panels of the new units. This will ensure a guarantee of no corrosion for a minimum of 5 years and a significant extension in asset life.

The process involved stripping the units to expose the entire fin area, cleaning with a specifically made coil cleaner to remove the oil film common with the production of new coils then the application of the blue Aeris corrosion protection plus. This was done in 2 coats to ensure the correct thickness to combat the environmental factors the units will be subject to. The panels were also cleaned with the same cleaning product then coated in a clear coat of the same corrosion protection to combat rust. The coil coating provides the extended protection without hindering the heat transfer capabilities of the coil, making it an excellent product to use.



Shangri-La hotel

THE MARINA, CAIRNS

Aeris Corrosion protection Plus has been exposed to 30,000+ hours of salt spray testing which is longer than other corrosive protection coatings in the market. The added benefit of in house VAE trained technicians providing ongoing support and annual inspections attracts the extended warranty and will ensure 'as new' performance for years to come. VAE is now a Platinum partner of Aeris and can apply, service and provide 5-year warranty with annual inspections of the product.

Thank you to VAE, Mitsubishi Heavy Industries Air-Conditioners Australia (MHIAA) & The Shangri-La for your cooperation and efforts to deliver this project.

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