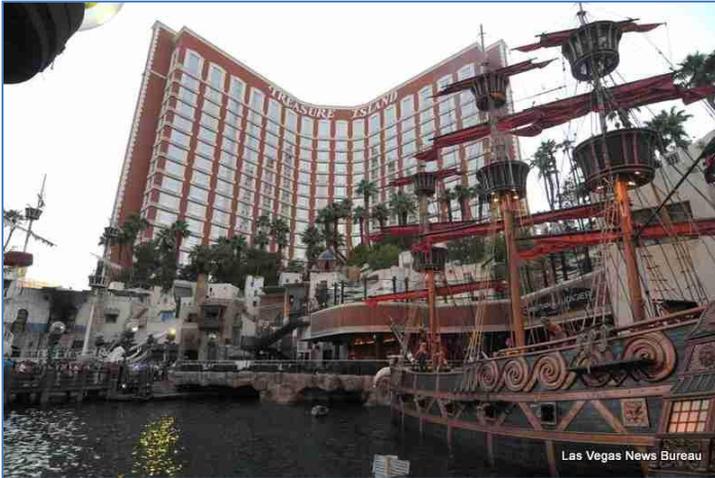


CASE HISTORY – TREASURE ISLAND CASINO, LAS VEGAS



A facility in Las Vegas, Nevada was having a corrosion problem in its man-made lagoon.

A system of rail tracks used to move full sized replicas of mast ships within the lagoon were experiencing accelerated corrosion due to electrolysis.

The customer had tried standard paints to protect. They also had tried to isolate any causes of the electrolysis by isolating and insulating metal and electrical components, all to no avail.

In late 2002, **ARCOR**’s Rick Sinclair did an inspection and made a quick determination – “it’s the pennies”!!

Thousands of coins are tossed into the lagoon on a weekly basis. Pennies from heaven perhaps; all to make wishes come true; but they created severe, damaging electrolysis for the metal structures within the lagoon (the customer collects \$27,000+ in coins annually which are donated to local charities).



The first job coating the tracks that the ships ride on.



The vessels structural steel internals

ARCOR’s solution, implemented in Jan. 2003, was to abrasive blast the steel track on support structures and apply a 2-coat, 16 mil systems of **ARCOR**® 1321 Black.

The **ARCOR**® 1321 was an ideal ‘single-product’ solution as its suitable for immersion and non-immersion components. Additionally, it is a high wear product able to withstand the ongoing motion of the wheels on the tracks, and it is impervious to the chemicals used to treat the water.

After two years of impressive performance of the **ARCOR**® 1321 on the underwater tracks and the vessel steel support structure, the customer approached **ARCOR**® again regarding the degradation of the vessel hulls.

The hulls were a fiberglass composite (epoxy resin with fiberglass mat) and they had substantially degraded in the relentless Las Vegas sun, and the intense UV attack.

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ARCOR®, working with the design artists, recommended a complete sanding and cleaning the hulls.

The **ARCOR®** is designed to handle exposure to UV without degrading. And it is an ideal product for adhesion to fiberglass and can also be used as a composite with fiberglass for repair.

The **ARCOR® 1321** was used with patches of fiberglass cloth to repair holes and other damage to the hulls prior to coating. The fiberglass patches were impregnated with mixed 1321 and laid over the damaged spots. Once set-up, the entire hull areas were coated with **ARCOR® 1321**, spray applied by airless sprayer.



The resulting **ARCOR® 1321** finish was deemed too shiny (looked like a Mercedes paint job), so the design artists used various methods in spots to antique it.

*After nearly 15 years the **ARCOR® 1321** is still resisting corrosion and UV degradation!*



ARCOR®: The Knowledge and Experience to determine Cause, and Solution.

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