

SIMTRA™

BY ISOTECH™ INC.

FERRITE BARRIER POWER CABLE

USER PROFILE



SEAQUARIUM - MIAMI, FLORIDA

Miami Seaquarium Relies on SIMTRA™ Cables for Difficult Installation

“The unique electrical characteristics of the SIMTRA™ power cable allowed us to accomplish the installation within our space requirements and thereby saved us a great amount of time and cost.”

Isotec's SIMTRA™ Ferrite-Barrier Power Cable provided an elegant cabling solution for the Miami Seaquarium's upgraded Top Deck Dolphin Show tank and seating area. Limited space options for cable runs from the sound booth to the loud speakers that surrounded the pool mandated that all wiring should be placed within the same conduit. The unique barrier characteristics of SIMTRA™ cable enabled the Seaquarium to run its line-level, speaker and power wire together without interference.

“We performed a 1.5 million dollar upgrade of our popular Top Deck Dolphin Show tank and audience area,”

says Einar Gustafson, parks service director for the Seaquarium. “The structural members of the canopy over the audience area around the pool were used to support a wire conduit for the music and live microphone sound system that services the show as well as electric for the lights and fans. The unique electrical characteristics of the SIMTRA™ power cable allowed us to accomplish the installation within our space requirements and thereby saved us a great amount of time and cost. We are very pleased with the performance from SIMTRA™ cables.”

The Top Deck Dolphin Show facility, nestled in the center of the 38-acre

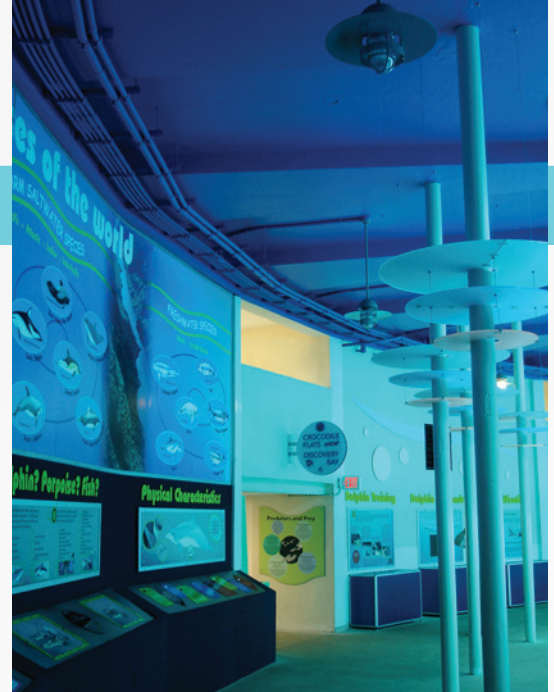
Continues on other side

USER PROFILE (continued)

park, presented an interesting installation challenge. The show pool features a Dolphin Lobby on the ground level that offers large glass windows for underwater views of the dolphin pool. The opposite wall features multiple tropical fish aquariums. Guests are required to climb stairs to the show area that offers raised standing areas with railings and a decorative canopy to provide shade from the sun. The canopy supports the speaker system that delivers audio from the announcer, the trainer and the pre-recorded music tracks.

It is the unique and patented ferrite-barrier technology used in SIMTRA™ power cable that makes possible the single-conduit solution at the Miami Seaquarium. The EMI, surges and transients from the power source that can be transmitted through the power conductors are virtually eliminated through absorption by the ferrite barrier within the SIMTRA™ cable. As a result, low-voltage communications, data, and audio cables adjacent to the SIMTRA™ power cables remain unaffected.

“The dolphins sometimes jump 20-feet into the air and come down with a big splash,” Gustafson relates. “While this is spectacular and fun, the environment around the salt water pool is wet at those times. Since we’re located on Virginia Key in Biscayne Bay, we also have high humidity and salt air to deal with as well. The pipe that carries the wire and runs



Dolphin Lobby

around the canopy area must therefore be water and weather tight and, at the same time, aesthetically pleasing to preserve the look and feel of the space. SIMTRA™ solved this problem by allowing us to have only one conduit for all the wires, thereby reducing the visual footprint of the conduit system and eliminating the maintenance issues with two conduits.”



Canopy Structure with Wire Conduit



SIMTRA™ Power Bundled with Low-voltage Cables

For More Information:
1780 Birchwood Avenue
Des Plaines, IL 60018
847.299.9299
www.isotecwire.com

SIMTRA™ | BY **ISOTEC** INC.
FERRITE BARRIER POWER CABLE