



## PROJECT SNAPSHOT

Project Name:	<b>Jungle Exhibit at Texas State Aquarium®</b>
Location:	<b>Corpus Christi, TX</b>
Installation Competition:	<b>May 2017</b>
Lighting Control Package:	<b>ETC®</b>
Regional Rep for ETC:	<b>Spectrum Lighting, Inc.</b>
Electrical Contractor:	<b>FSG Electric</b>
City Theatrical Solution:	<b>SHoW DMX Vero® Transceiver</b>

## CHALLENGES

The new lighting design for the main atrium of the aquarium posed a challenge for installation teams in that it was changed significantly from its original layout to include five custom manufactured truss rings, each suspended from the main beams at high points in the ceiling grid that makes up the glass frame around the roof of the building.

This challenging location for the installation meant that installation team members would not be able to run DMX cable, which would require a strong wireless solution.

To complicate matters for wireless reception, there was a large amount of metal enclosing the rings, which could potentially cause reflections that create interference with signal reception at each ring.



The Texas State Aquarium is a not-for-profit organization

that focuses on the species in Gulf of Mexico and the Caribbean Sea. At the time of this project, the facility was going through a multiphase, multiyear expansion. This particular phase utilized a large open area for natural light with large glass roof sections.

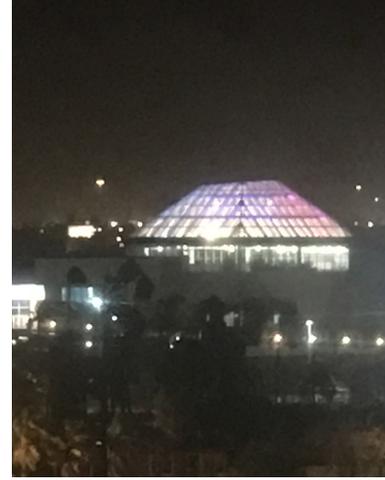
## SOLUTION

City Theatrical's SHoW DMX Vero Transceivers were provided as part of the ETC lighting control system with all applicable hardware for ease of installation. These transceivers were enclosed within the center of each of the five rings. They used Maximum Bandwidth Technology™ to wirelessly control the lighting fixtures on the outside of the rings, and create a colorful, luminous effect inside the aquarium, as well as outside through the glass ceiling.

**“I’ve used Vero Transceivers on several other projects with great success, so it was only natural that they were the go-to solution for this project.”**

- Chuck Drew, Lighting Controls Technician, Spectrum Lighting, Inc.





## TESTING

Preliminary testing included a wireless site survey with Chanalyzer and the use of demo gear provided by City Theatrical for proof of concept.

The demo test was done while the entire interior space was filled with scaffolding. The scaffolding was in place to facilitate the installation of the rings and give team members access to the ceiling glass for installation work.

Testing involved setting a transmitter in its potentially permanent location and using a receiver at each ring.

Despite concerns regarding wireless signal strength through the roof support metal, the Vero system worked seamlessly out of the box through a large quantity of scaffolding, ensuring that the permanent installation would be a success.

**“This is the third time that I’ve used City Theatrical’s Vero wireless DMX solution for outdoor or sensitive installations, and they have been going strong for years.”**

*- Chuck Drew, Lighting Controls Technician,  
Spectrum Lighting, Inc.*



Learn more about SHoW DMX Vero with Maximum Bandwidth Technology at:  
[www.citytheatrical.com/products/show-dmx-vero-wireless-dmx](http://www.citytheatrical.com/products/show-dmx-vero-wireless-dmx)

**CITY  
THEATRICAL**  
NEW YORK • LONDON