

Oral Roberts University Transforms into a Global University with ORU Geovision™ Technology



Executive Summary

Company: Oral Roberts University

Industry: Oral Roberts University is a private university with an undergraduate population of 4,753

Location: Tulsa, OK

Challenge: A need for powerful, redundant wireless networking; and immersive learning.

Solution:

- High speed wireless connectivity across the entire campus.
- Immersive learning classrooms with state-of-the-art technology.
- Providing the proper wireless network to integrate the Metaverse on a “Smart Campus”

Overview

Oral Roberts University is a private college located in Tulsa, Oklahoma. Since 2014, NWN Carousel has been a strategic partner to ORU with enterprise-wide networking, Wi-Fi, and educational technologies, leveraging new paradigms to reach the world with ORU’s “whole person education.” The result of this partnership led to ORU trademarking a new concept called ORU Geovision™ technologies, which has successfully delivered a global vision to reach the world with its award-winning “whole person education.”

NWN Carousel has delivered campus-wide innovation to numerous colleges and universities in the past decade, but few have been more exciting and impactful than the development of this world-class initiative at ORU. ORU’s Geovision™ technologies started with the concept of simplification and integration by using wearable watch technology, Wi-Fi analytics, telepresence robots with streaming media, state-of-the-art digital classrooms, and augmented and virtual reality. The outcome of this collaborative work produced a streamlined technology ecosystem that allows all global citizens to engage in ORU’s digital networked campus as “One Campus,” which can transfer education and people around the world at the speed of light through the integrated ORU Geovision™ technology design.

NWN Carousel has collaborated with ORU on this multi-faceted initiative and helped to ensure that students have access to some of most innovative technologies in the world. Among the most impressive achievements that we helped ORU to attain include a greater than 90% retention of its freshman class, the greatest three years of student growth, and a 40% efficiency improvement across the university’s IT department.

The powerful, redundant wireless networking infrastructure implemented by NWN Carousel has also enabled ORU to venture into teaching in the Metaverse, an immersive way to attract and significantly grow enrollment.

ORU is in the process of building four new buildings on campus including a new Welcome Center with a special Veterans Center, Mike Carter Athletic Center, a New Library and a state-of-the-art Media Arts Center. NWN Carousel will be an essential partner in providing the University with the proper technologies and services for the ideal learning environment. ORU’s new E-Rena facility opened in April 2022, enabling esports athletes with a new venue for training, collaboration, and team development. The E-Rena will enhance the team’s coaching and player interactions, provide competition and training areas, along with NWN Carousel-enabled technological upgrades.

“Technology done right is an art, not a science anymore. You can buy and service technology anywhere. However, can you create something that students like and can use for their own success? We believe we’ve done that with the help of NWN Carousel.”

Mike Mathews

VP of Technology and Innovation,
Oral Roberts University

Challenge

Oral Roberts University is driven to provide students with the most engaging experience. To create this experience ORU needed the proper technology and support. The backbone of a successful university relies on a powerful wireless network. During the building process, it is essential to have the proper guidance to make the buildings technologically advanced. As they work to build for the future of learning, NWN Carousel will support their networks across campus. Further enhancements to the Wi-Fi system in the ORU J.L. Johnson Baseball Stadium will launch in the 2023 timeframe.

Positive Business Outcome

NWN Carousel’s partnership with ORU has allowed for an advanced technology experience for students. ORU’s athletic center creates an ideal sporting experience from the ground level up. The Wi-Fi routing allows for every multimedia aspect during gaming. From coaches’ ability to watch replays to fans viewing the game on the jumbotron, all these perks are supported by NWN Carousel provided networks.

Many universities across the nation have seen significant decreases in enrollment over recent years. Unlike these universities, ORU has experienced exponential growth over the last few years. The average university has shrunk 6% in the past two years. ORU has experienced 13 consecutive years of growth and a 13% growth during the past year. With an increase in population size, ORU needs the proper technology and support that NWN Carousel will provide.

ORU has also increased growth in undergraduate enrollment and expanded its international reach to students from 126 nations. ORU drives to create leaders through holistic campus community. This year, ORU was ranked 4th in the nation for student engagement by the Wall Street Journal and Times Higher Education College Rankings. Michael Mathews credits their student engagement to their great faculty and advanced technology services.

NWN Carousel partnered with Oral Roberts University to achieve the following results:

- High speed wireless connectivity across the entire campus
- Immersive learning classrooms with state-of-the-art technology
- Providing the proper network to integrate the Metaverse on a “Smart Campus”
- Won over 12 international awards for innovative technology application