



Connecting research facilities with a high-speed fiber network.

The University of Miami (UM) is a private research university, spending \$324 million annually in research and related programs in medicine, marine science and more. In addition to its main campus in Coral Gables, it has numerous facilities throughout South Florida that transmit data to government scientists.

The Need

- ▶ Support UM's extensive research activities and meet the constant data needs of UM students, faculty, researchers and staff.
- ▶ Connect multiple campuses and high-capacity computers with a secure and reliable network.
- ▶ Build a direct connection to Florida LambdaRail, a separate network that links Florida's research institutions.

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No other provider can do what Crown Castle is doing for us. They have the network footprint and the wherewithal to create a solution we can always rely on.

STEWART SERUYA

Assistant VP, Chief Network Officer,
University of Miami

Name

University of Miami

Location

Florida

Industry

Higher Education

Solutions

**Dark Fiber
Private Networks
Internet Access**

The Solution

- › We built an extensive fiber network that connects buildings within the boundaries of UM's 260-acre Coral Gables main campus and provides a high-speed pathway between several other UM facilities spread throughout South Florida.
- › The campus is equipped with a high-capacity internet connection and is connected to smaller locations through a multi-site Ethernet network.
- › A Remote Fiber Test System (RFTS), which monitors the network's metro rings to identify and isolate any potential outages on the network.

The Impact

- › The new network has resulted in nearly unlimited available bandwidth on campus, ensuring that UM can meet the current and future needs of its community.
- › Researchers are better able to collaborate with colleagues and conduct world-class research, such as DNA mapping, that couldn't be done without a high-speed, reliable network.
- › UM is able to quickly detect outages due to the Remote Fiber Test System (RFTS).
- › With its new fiber network, UM is able to keep connected to its facilities while staying within their budget.

Why Crown Castle?

When you work with us, you get a partner who is dedicated to understanding your needs and delivering a solution to run your organization today—while setting the stage for tomorrow's most transformative innovations.

Expertise

Over the last 30 years, we've built and maintained fiber networks for more than 10,000 customers.

Consultation

We take the time to carefully consider all your needs and deliver a solution that meets your business requirements and opens up new opportunities.

Service

Our locally based service teams work closely with you to consult, design and deliver solutions that meet your needs, while our state-of-the-art Network Operations Center works around the clock to keep your network running.

Stability

We are the last owner of our networks, and an S&P 500 company with a history of building and operating infrastructure around the country.



Crown Castle owns, operates and leases more than 40,000 cell towers and approximately 90,000 route miles of fiber supporting small cells and fiber solutions across every major US market. This nationwide portfolio of communications infrastructure connects cities and communities to essential data, technology and wireless service—bringing information, ideas and innovations to the people and businesses that need them.