

# Leon Medical Deploys Apollo Optical Transport Platform for Data Center Interconnection

Established in 1996 and based in Doral, Florida, [Leon Medical Centers](#) is a family-owned business that runs multiple outpatient hospitals in the greater Miami area. Currently, Leon has eight outpatient facilities, and its 2,300 employees service more than 40,000 patients annually.

Supporting Leon's operation is the company's data center in Doral and a mirrored data center located in a public colocation facility about 4 miles away. This dual data center structure supports its core business applications suite, including their electronic health records (EHR) and enterprise resource planning (ERP) provided by Epic Systems. The dual, mirrored structure ensures a nearly 100% uptime as well as giving Leon access to a fully hardened data center that's impervious to severe weather events like a category 5 hurricane, a possibility in south Florida.



Leon Medical was leasing legacy OC-192 SONET services between their data centers and hospitals. Upon analysis, Leon determined they could achieve a higher level of security, increase scalability, and reduce long-term costs by replacing the legacy SONET services and building their own dedicated private network.



**Apollo 9603 Access-to-Metro Optical Transport Platform**

Ribbon partnered with [CPSi](#), a trusted advisor to Leon Medical, to provide a network transformation solution. Leon and CPSi chose Ribbon's [Apollo 9603 optical networking platform](#) for their data center and metro network connectivity. This, paired with leased dark fiber, will deliver over 100G (gigabits per second) of connectivity between the two sites.

Apollo 9603 is a versatile access-to-metro optical transport platform particularly suited for data center interconnections. Highly modular, the Apollo 9603 is tailorable into solutions that meet current needs and can evolve economically to accommodate traffic growth and new technologies. This was particularly attractive to Leon, as they were seeking a flexible, adaptable platform without any vendor lock-in.

Since the cutover, Leon has experienced the obvious performance gains with higher capacity circuits. Leon initially implemented multiple bi-directional 32GB Storage Area Networking (SAN) channels, with the benefit of flexibility in adding capacity, which can be done extremely economically in their new environment. Financially, Leon estimates the payback period at "less than a year", as the cost of the private circuit (leased fiber, switching electronics, professional services) are considerably less than the SONET connection.

## Interested in Learning More?

Ribbon and its technology partners can analyze your network configuration and make recommendations on upgrading your transport to deliver cost savings, increased performance, and added resiliency. To learn more about Ribbon's IP and Optical product offerings, visit [ip-wave.rbbn.com](http://ip-wave.rbbn.com).