



# Cloud South Data Center Case Study



## West Palm Beach, Florida

### New HVAC Chiller System, Electrical Wiring and Electrical Panel Upgrades

In the data storage business, capacity is king. So when Cloud South Data Center President and CEO Frank Caruso realized that their center in West Palm Beach had reached electrical and cooling capacity, he knew it was time for some major upgrades.

“We needed to increase the capacity of the building, which required gaining additional power from the utility company, the installation of new HVAC systems, and electrical upgrades throughout the center,” Caruso said.

The entire project took about two years to complete and was partially financed by Ygrene. “Our contractor, ABM Building Solutions, brought Ygrene to our attention; they had worked with Ygrene in the past and had a positive experience,” said Caruso.

### Project Details

**PROPERTY TYPE:**

Multi Data Center Operator

**PROJECT COST:**

\$1.2 million

**SCOPE OF WORK:**

Electrical wiring modernization  
Central HVAC system  
Electrical panel upgrades

**PROJECT BENEFIT:**

Cloud South Data Center now has more than three times their previous electrical capacity

**CONTRACTOR:**

ABM Contractors

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– Frank Caruso, President and CEO,  
Cloud South Data Center

“Ygrene is one of two self-funding options that ABM typically suggests to clients to provide savings,” explained Chad Armstrong, ABM Building Solutions General Manager, who has done a significant amount of Commercial Property Assessed Clean Energy financing (C-PACE). “Ultimately Ygrene was selected due to our relationship; they have been a trusted partner in energy-based projects for the last five years.”

Caruso found that partnering with Ygrene was very simple.

“Ygrene made the application process easy, with straightforward documentation. Ours was not an easy project either,” said Caruso. “We presented some unique challenges to them – Cloud South comprises three properties that we joined together to create one large data center. Ygrene had to navigate the complicated HVAC and electrical upgrades through the city of West Palm Beach.”

Caruso considers the project a huge success, actually exceeding expectations. “Our goal was to substantially increase building capacity, which ultimately, we were able to triple. With these upgrades we went from 800 kilowatts of power to 2,800 kilowatts of power,” he explained.

Increased power and increased capacity equals increased business for Cloud South Data Center.



Central HVAC System



Central HVAC System



Electrical Wiring Modernization



Electrical Panel Upgrades