

# Global Data Center Provider

EDISON, NJ



## VALUE DELIVERED

For the largest rooftop solar installation on any data center nationwide, Forest Electric New Jersey provided alternating current solutions that contribute to the client's sustainability efforts and energy savings. Our solutions help this 7.2-megawatt rated solar installation generate enough electricity to power 1,000 homes for a year, and supply approximately 15 percent of the data center's current energy load.

TECHNOLOGY

DATA CENTERS

# CASE STUDY

## OPERATING COMPANY

Forest Electric New Jersey

## CLIENT

Global Data Center Provider



## CLIENT OBJECTIVES

As part of the client's mission to meet their goal of 100 percent renewable electricity for global operations, the client needed alternating current solutions for their new rooftop solar field installation at their New Jersey location.

## SOLUTIONS

Forest Electric New Jersey worked with the design team to provide engineering solutions that helped lower the overall project cost. Even in the midst of challenging winter weather, we were able to deliver the project on time. To supply the entire alternating current portion of this project, we installed:

- 54-150-amp inverters (provided power)
- Eleven 800-amp feeders to the distribution boards
- Two 4000-amp, 480-volt distribution boards
- Two 480-volt to 13.8-kilovolt transformers
- Four air switches
- Two 200-amp 13.8-kilovolt utility metering cabinets

## CLIENT BACKGROUND

This global data center provider specializes in storage and information management services.



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