NJ1

DFT
DuPONT FABROS
TECHNOLOGY

DATA CENTERS
POWERED BY TRUST

THE CENTER THAT NEVER SLEEPS

The greater New York metro area is a pulsing capital of industry and finance—alive 24 x 7 x 365 with critical transactions that shape our future. NJ1 keeps your business right in the heart of the action.

An ideal home for your IT assets and applications, NJ1 delivers metropolitan sophistication with the right mix of power, reliability, security and nonstop performance. You'll also benefit from flexible design options within our 360,000 square-foot space—offering a total of 36.4 megawatts of critical power capacity.

A Philosophy of Support
Your business is more than data. And DFT does more than house your servers.

We stop at nothing to support your mission.

That means designing data centers to deliver concurrently maintainable power and cooling, unequaled reliability, stalwart security and economic advantage. We apply our engineering and operational expertise to keep your costs down while maintaining 100% service level agreements. We deploy proven technologies and practices to deliver an unrivaled PUE and minimize our carbon footprint.

Our relentless focus on performance has resulted in an industry-leading 11.1 million megawatt hours of uptime.

Choose Your Network Carrier
Many of the most popular carriers are available at NJ1. In addition, NJ1 hosts an Internet Exchange, AMS-IX NY. If your choice of carrier isn't already in our building, we can invite them in on your behalf.
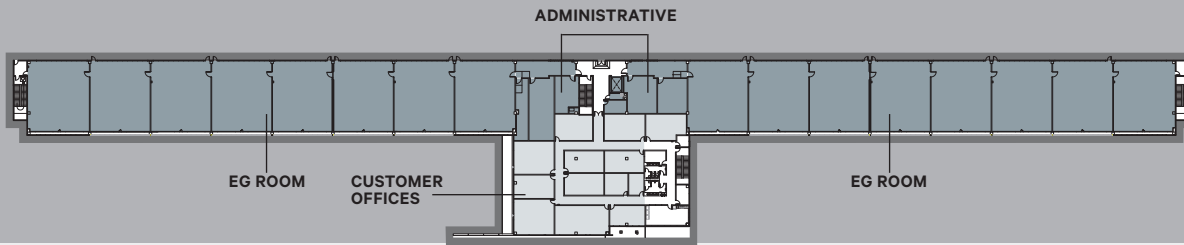
Benefit Your Bottom Line
The New York metro area is built for business. Anchored by Wall Street, the world's premier financial center, the region is a global hub for industries such as banking, insurance, healthcare, fashion, mass media and the arts.

With your IT infrastructure housed in NJ1, you'll be surrounded by green, from the cost savings recognized from the area's lowest power rates to the 2.0+ MW solar plant on the roof.

In addition, mass transit systems make NJ1 easily accessible from anywhere near and far.
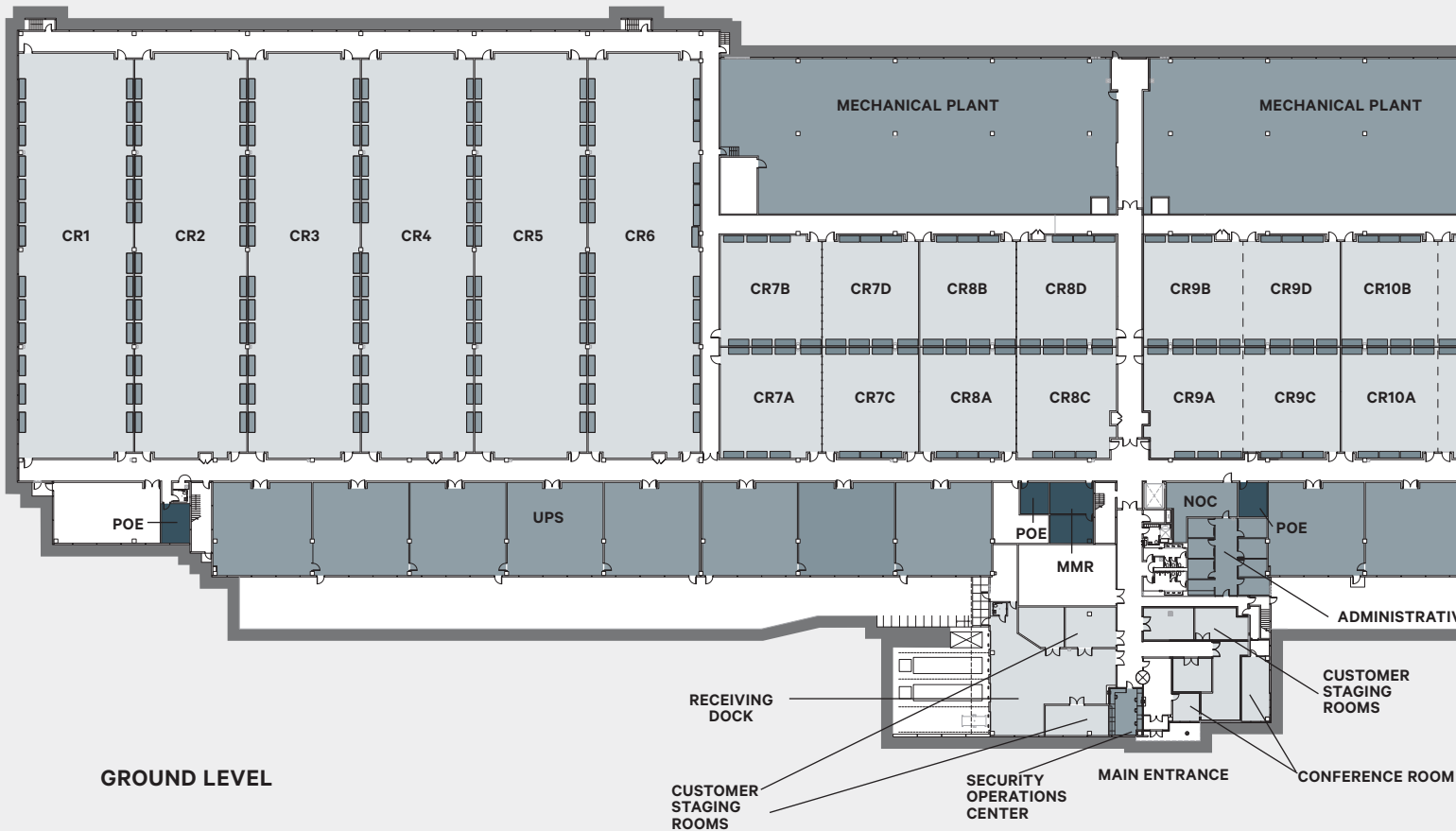
MEZZANINE LEVEL

ADMINISTRATIVE

EG ROOM

CUSTOMER OFFICES

EG ROOM

GROUND LEVEL

MECHANICAL PLANT

MECHANICAL PLANT

CR1 CR2 CR3 CR4 CR5 CR6

CR7B CR7D CR8B CR8D CR9B CR9D CR10B

CR7A CR7C CR8A CR8C CR9A CR9C CR10A

POE

UPS

POE

MMR

NOC

POE

ADMINISTRATIV

RECEIVING DOCK

CUSTOMER STAGING ROOMS

CUSTOMER STAGING ROOMS

SECURITY OPERATIONS CENTER

MAIN ENTRANCE

CONFERENCE ROOM

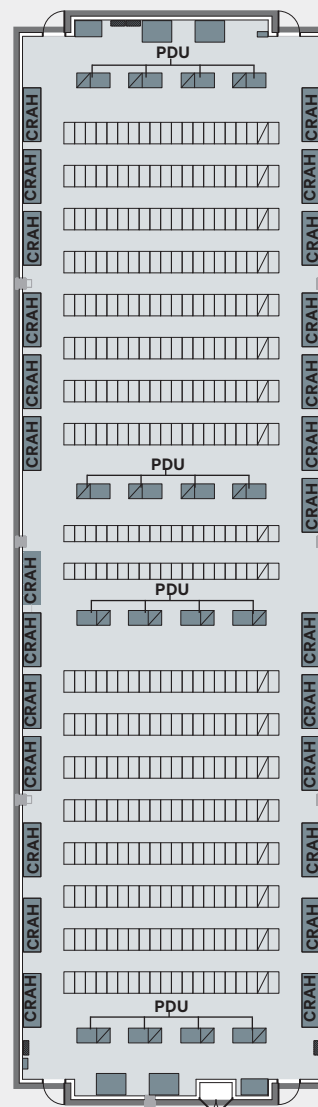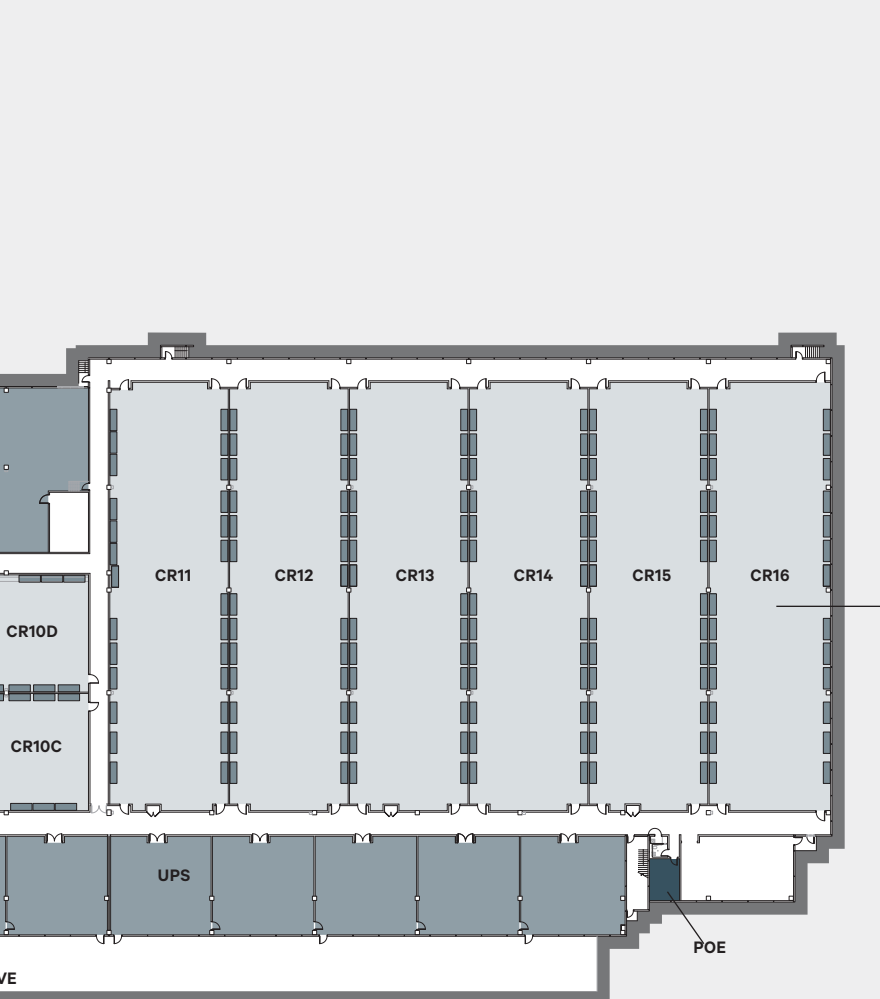**R & COOLING**
- n PUE of 1.28 at full capacity
- lized
- edundancy for all building
  ms at full capacity
- ble and flexible densities from
- 5 kW, 1,137.5 kW or 2,275 kW of
- l IT capacity in each computer

SECURITY
- 24 x 7 x 365 security officers
- CCTV surveillance cameras
- Two-factor authentication and biometrics access
- Security-fenced perimeter and main gate with proximity card access

SUSTAINABILITY
- LEED Gold Certified
- 2.0+ MW solar plant

CONNECTIVITY
- Carrier-neutral
- Four separate network Points of Entry (POE) with diverse underground duct banks
- Meet-Me-Room (MMR) available
- Dark fiber available within data center
- AMS-IX New York Internet Exchange

CR10D

CR10C

CR11 CR12 CR13 CR14 CR15 CR16

UPS

POE

VE

PDU

CRAH

PDU

PDU

PDU

**COMPUTER ROOM WITH
OPTIONAL 2N PDU CONFIGURATION**
(360 2'x4' CABINETS SHOWN)

NJ1
SPECIFICATIONS
—

PROPERTY
Location: Piscataway, NJ
Acreage: 38
Building Size: 360,000 SF
Nearest Airport: Newark Liberty International Airport (EWR)

BUILDING DESCRIPTION
Utility Power: 69.0 kV
Parking: 200+ spaces
Number of Stories: One, plus customer offices and engine-generator mezzanine
Loading Docks: Four dock bays; two with dock levelers, one with scissor lift

COMPUTER ROOM SPECIFICATIONS
Computer Room Size: 2,700 SF/11,000 SF
Critical Power Capacity: 568.75 kW, 1,137.5 kW or 2,275 kW

DATA CENTER AREA DESCRIPTION
Computer Room Floor: 176,200 SF
Number of Computer Rooms: 28
Raised-Floor Height: 42"
Computer Room Floor-to-Ceiling Height: 15'-22'

AMENITIES
Offices: 10 pre-constructed offices
Staging: Eight rooms
Miscellaneous: Wi-Fi, conference rooms, break room and shower room with lockers

SECURITY
Building and Perimeter: Fully monitored by CCTV cameras and security officer patrols
Security Officers: 24 x 7 x 365
Access Control: Electronic security features with access card entry and dual authentication with biometric readers
CCTV: Yes (minimum 95-day video retention)

CRITICAL POWER
Total Megawatts: 36.4

UPS SYSTEMS
Thirty-two 1,300 kW rotary UPS units
Redundancy: N+2, each phase

GENERATORS
Thirty-two 2,250 kW diesel-engine generators
Redundancy: N+2, each phase

ONSITE FUEL CAPACITY
Storage Tanks: Four 50,000-gallon underground diesel-fuel storage tanks
Fuel Run Time: Minimum 55 hours

HEAT REJECTION SYSTEMS (HVAC)
16 centrifugal chillers, each with 1,080-ton capacity
Redundancy: N+2, each phase
Chilled-Water Storage: Two 500,000-gallon above-ground chilled-water storage tanks

PDUs
Voltage: 208/120 V
Redundancy: N+2

COMMUNICATIONS
POE: Four separate network POEs with diverse underground duct banks leading into the facility
Conduits: Dedicated underground conduits to each computer room
Multiple Carriers: DFT is carrier-neutral
Meet-Me-Room: Two MMRs, redundant power and cabinet options for lit equipment
Telecom Ductbanks: Tri-lateral underground duct bank extending 15,000 feet offsite
Internet Exchange: AMS-IX
Certification: Open-IX

FIRE PROTECTION
Double interlocked pre-action sprinkler system with VESDA monitoring system standard

DFT
DuPONT FABROS
TECHNOLOGY

About DuPont Fabros Technology
DFT designs, builds and operates wholesale data centers nationwide. We help clients across various industries make smart IT decisions that match their business goals, including managing growth, gaining more control over their infrastructure, lowering operating costs and adding data center capacity quickly.