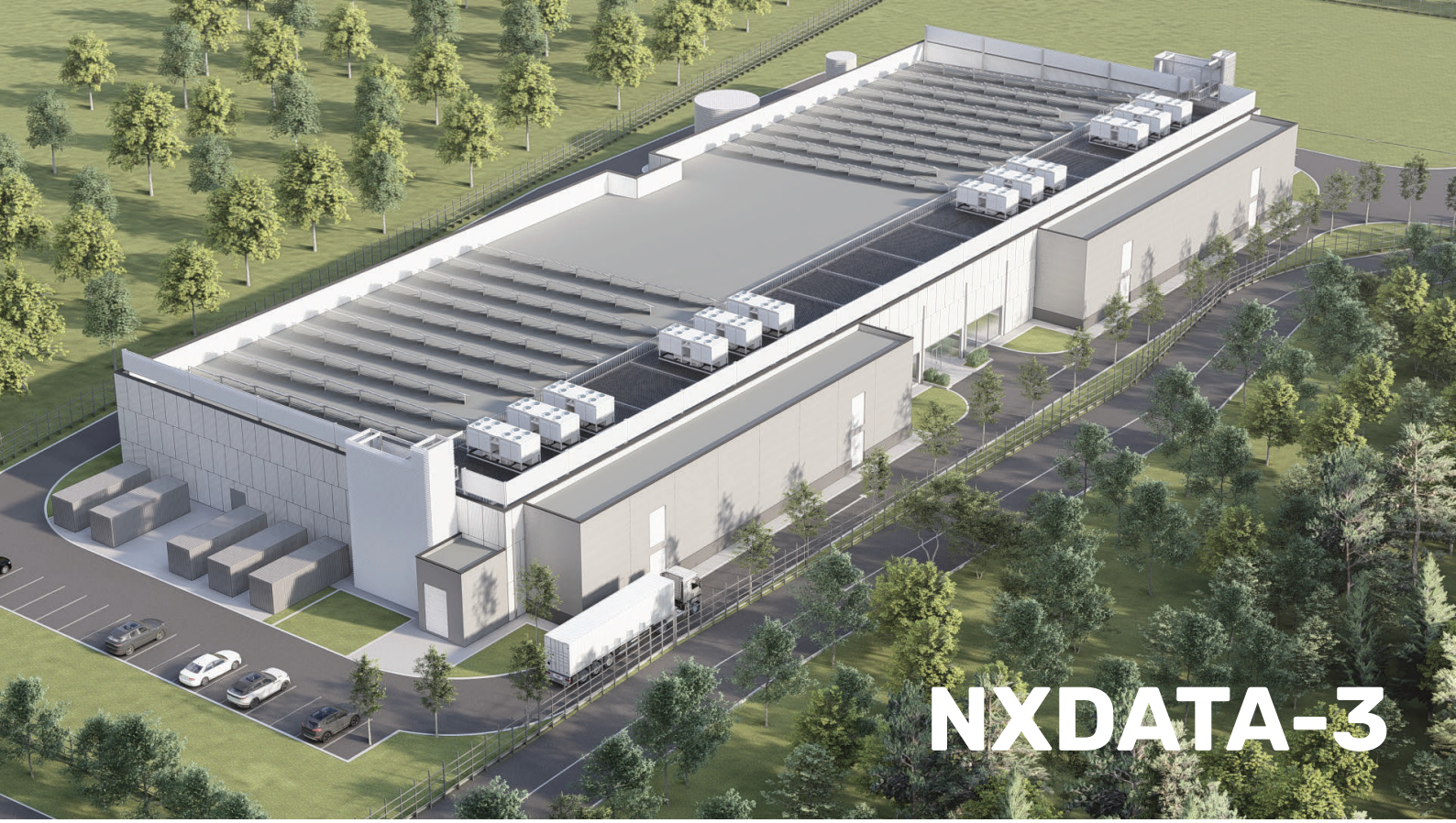
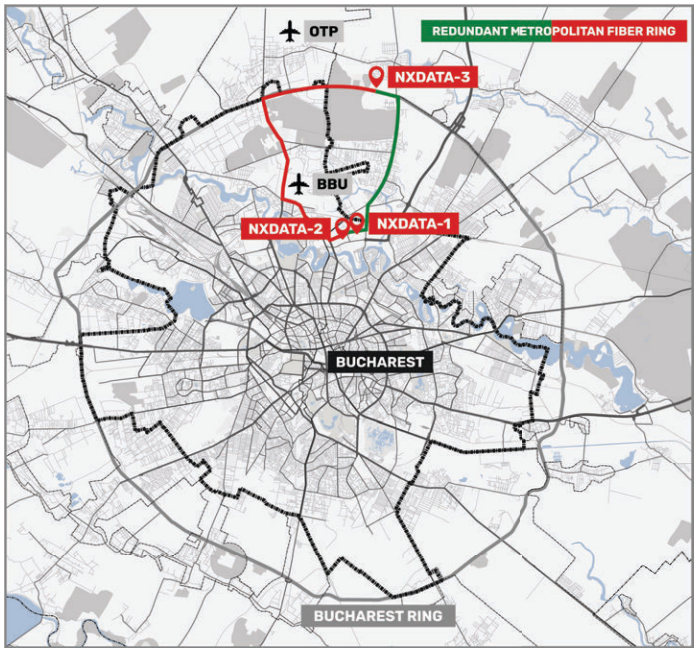
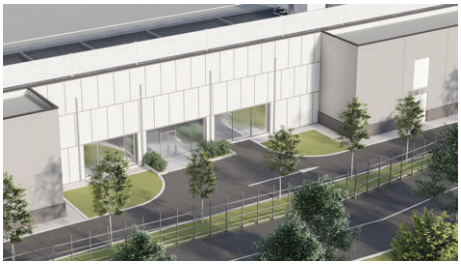


NXDATA-3
38 Bucharest Ring, Tunari, Ilfov, Romania

NXDATA-3 is a highly energy-efficient, purpose-built data center that will provide fully specialized technical space in a single-storey building.
The facility will be located in the North of Bucharest, approximately **8 km** away from the DC NXDATA-1 & NXDATA-2 cluster.
Positioned close to Bucharest Ring Road, NXDATA-3 (NX-3) has a total electrical capacity of **5MW**, out of which **3MW** is dedicated to customers' IT&C equipment, on a technical space of 2,000 square meters (21,500 square feet). It is organized in **4 data halls**, each one customizable to customers' specific requirements.





OVERVIEW

- **5MW** installed power with a total building area of 5,500 square meters
- **3MW** IT power available on a data center space with a total floor area of 2,000 square meters and up to 1MW of IT load per data hall
- 20kV medium voltage redundant power feeds
- Energy efficiency with a design annual PUE of 1.3
- Concurrently maintainable and Tier III compliance for power supply and cooling
- Customized and scalable data halls, sized to meet customer requirements
- Dense and extensive connectivity with multiple fiber providers to NXDATA-1 and NXDATA-2, one of the most interconnected DC clusters in Romania and South-Eastern Europe
- Dedicated redundant electrical plant for each data hall
- Operations team on-site on a 24/7 basis

NXDATA-3 TECHNICAL SPECIFICATIONS

BUILDING

- 2,000 square meters of white space split to 4 separated data halls of 500 square meters each (5,380 square feet)
- Seismic base isolation system for the data halls floor
- Secure managed loading dock
- Data center floor load of 20kN per square meter
- Customer cages and custom-built dedicated suites
- Working space, customer staging and storage room area, cafeteria

POWER

- 3MW of IT power across 2,000 square meters of world-class technical space
- Standard 750kW (up to 1MW) of IT load per data hall
- Dual 20kV MV power feeds
- All IT power is metered and charged per usage with dedicated meters
- N+N power supply solutions dedicated to each hall
- Minimum N+N UPS with 10-minute battery back-up as standard configuration
- Fully rated N+N back-up generators with 24-hour fuel autonomy at full load and continuous operating mode available
- Fuel sourcing agreements to ensure timely refueling

ENERGY EFFICIENCY

- Scalable UPS
- Scalable air-cooled chillers with free cooling capability
- Highly efficient FAN WALL cooling architecture
- PUE with a design value of approximately 1.3

COOLING

- N+1 free-cooling chillers
- Cooling infrastructure is individually managed and connected to BMS
- Independently controlled temperature and humidity for each data hall
- Option for racks with Direct-to-Chip Liquid Cooling Technology with maximum 50kW IT load/rack

CONNECTIVITY

- Carrier-neutral colocation facility with diverse fiber connections to metropolitan fiber infrastructure and redundant “Meet Me Rooms”
- AWS/Google Cloud on-ramp available on-site
- Peering with service providers from NXDATA-1/NXDATA-2 available via redundant fiber optic pathways

FIRE DETECTION AND SUPPRESSION

- Fire detection systems in the data halls and UPS plant areas
- VESDA (Very Early Smoke Detection Apparatus)
- Gas suppression in data halls and UPS rooms
- Fire detection and suppression systems connected to the central BMS

BUILDING AND ENERGY MANAGEMENT SYSTEMS (BMS & EMS)

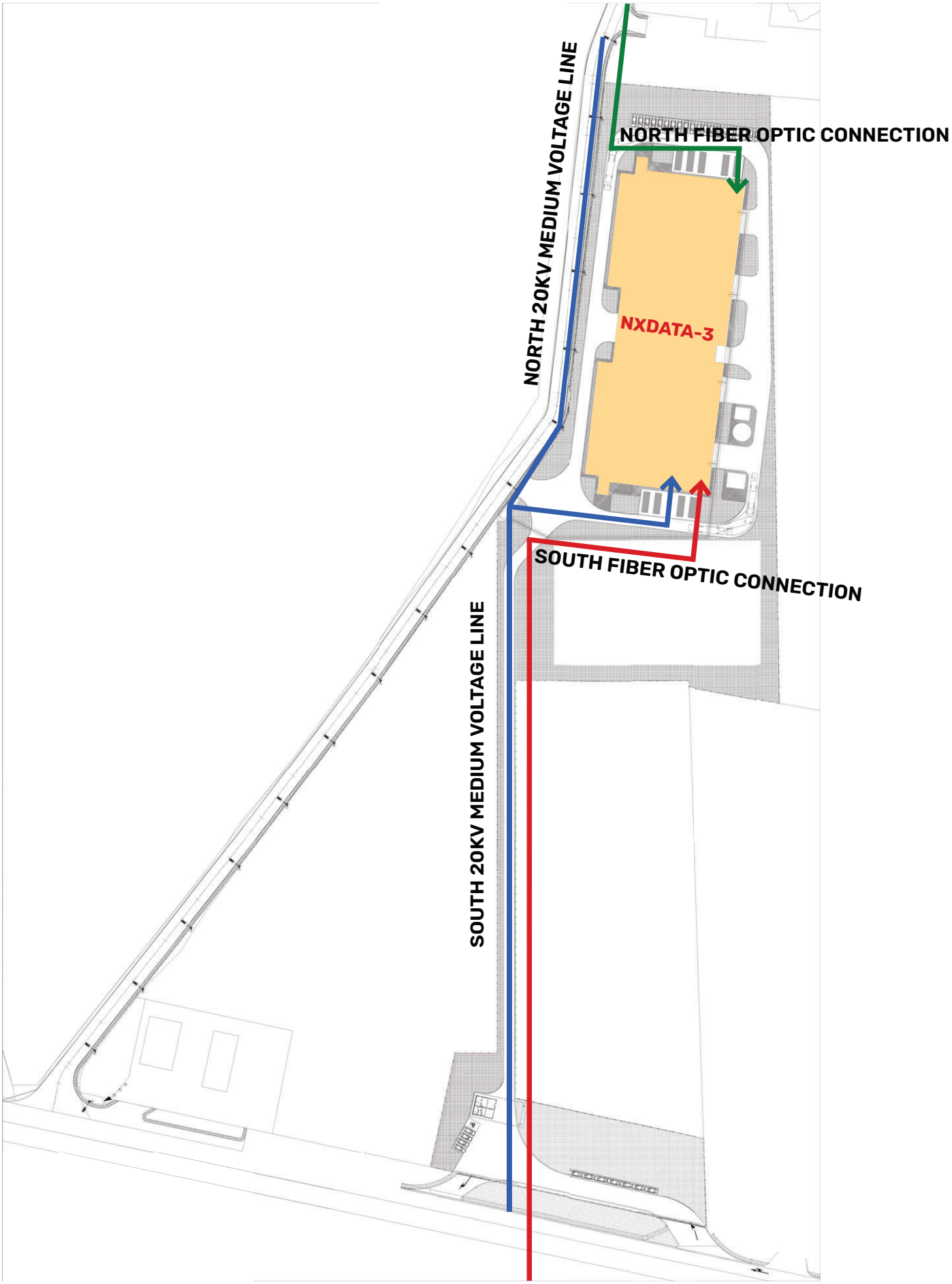
- Power and building monitoring systems to signal alarms
- Real-time monitoring of electrical and mechanical systems
- Dedicated M&E team
- 24/7 year-round on-site Operations team
- Customized proprietary DCIM software and hardware

SECURITY

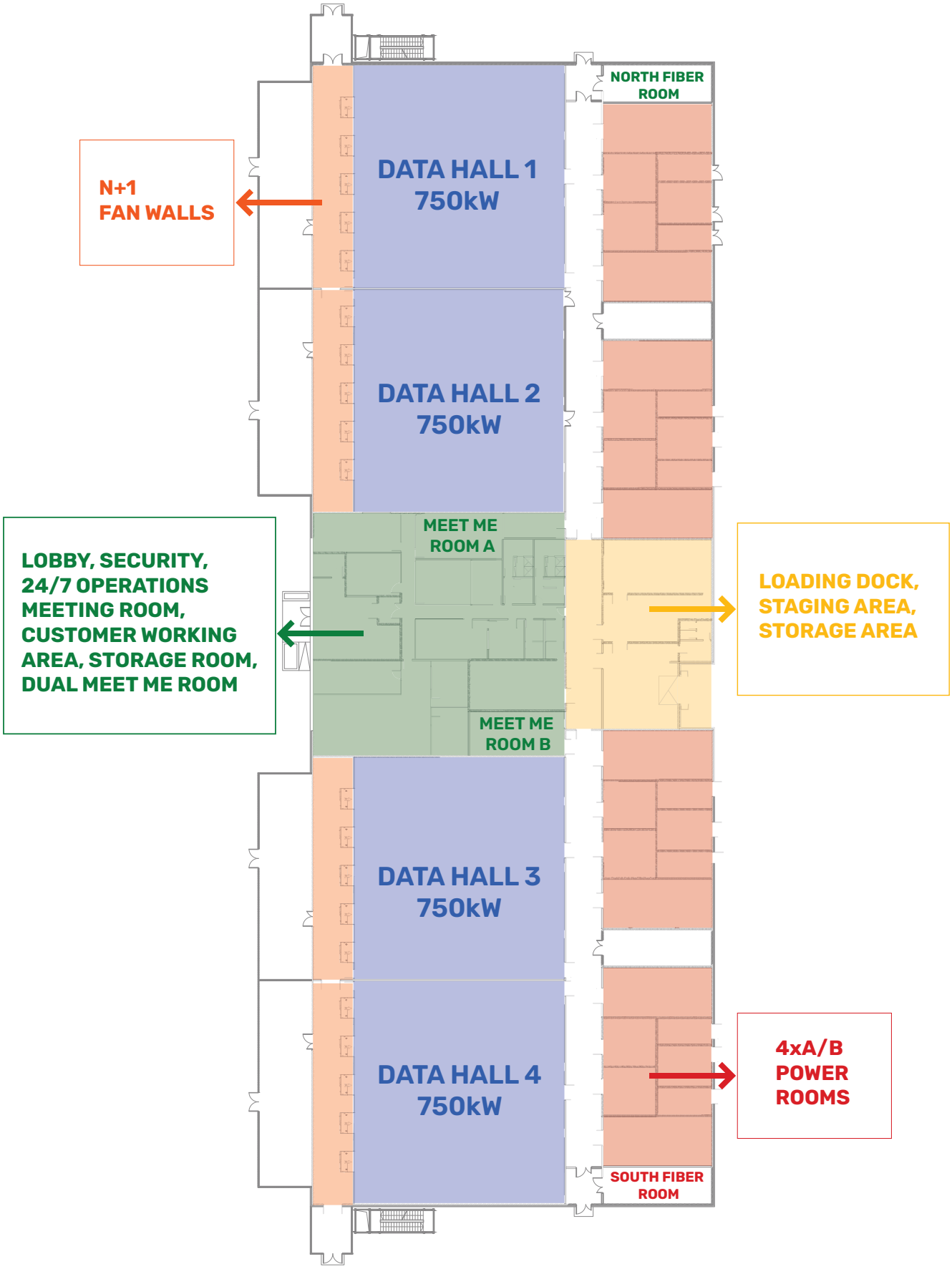
- High-security perimeter fencing
- External CCTV
- 24/7 year-round on-site security located in a secured control room
- Extensive CCTV and access control throughout the facility
- Multiple layers of security to restrict access to the site
- 2FA Access Control Systems (RFID & PIN/Biometric)

COMPLIANCE (OPERATING TO INTERNATIONAL STANDARDS)

- ISO 27001 Information Security Management
- ISO 9001 Quality Management
- Tier III certified design target

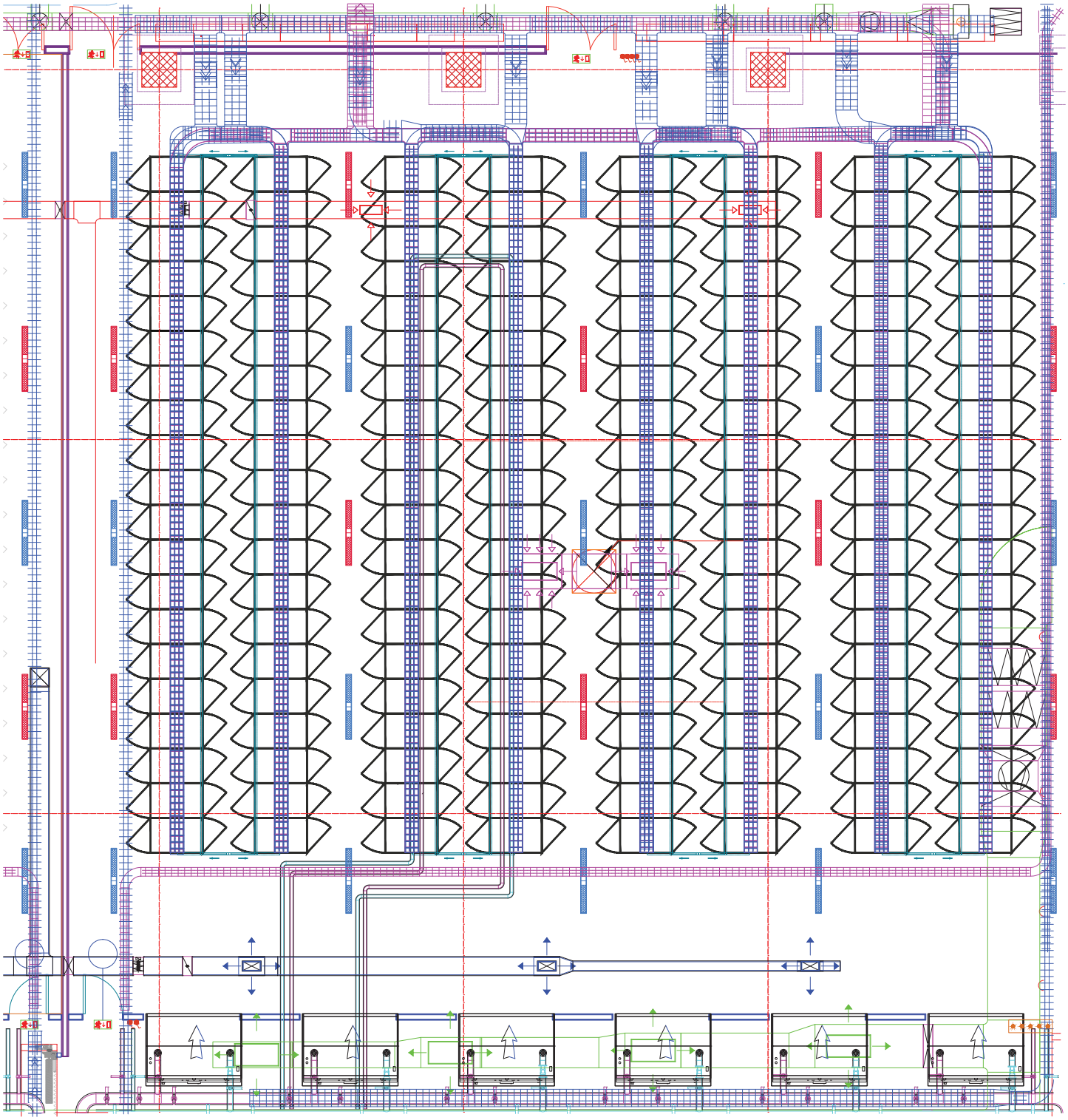


NXDATA-3 POWER & METRO FIBER ENTRIES



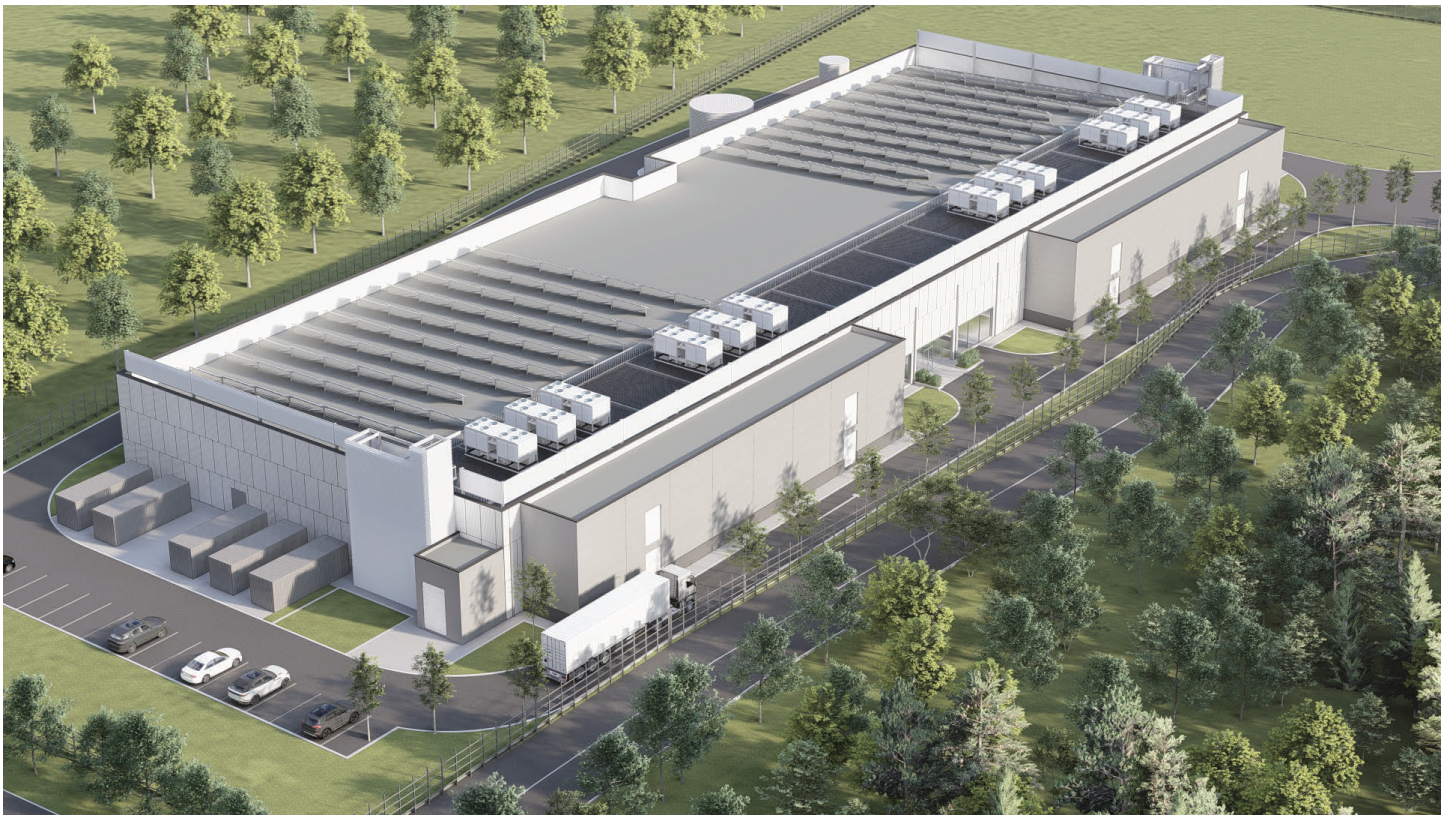
NXDATA-3 FLOOR PLAN

TYPICAL DATA HALL FLOOR PLAN

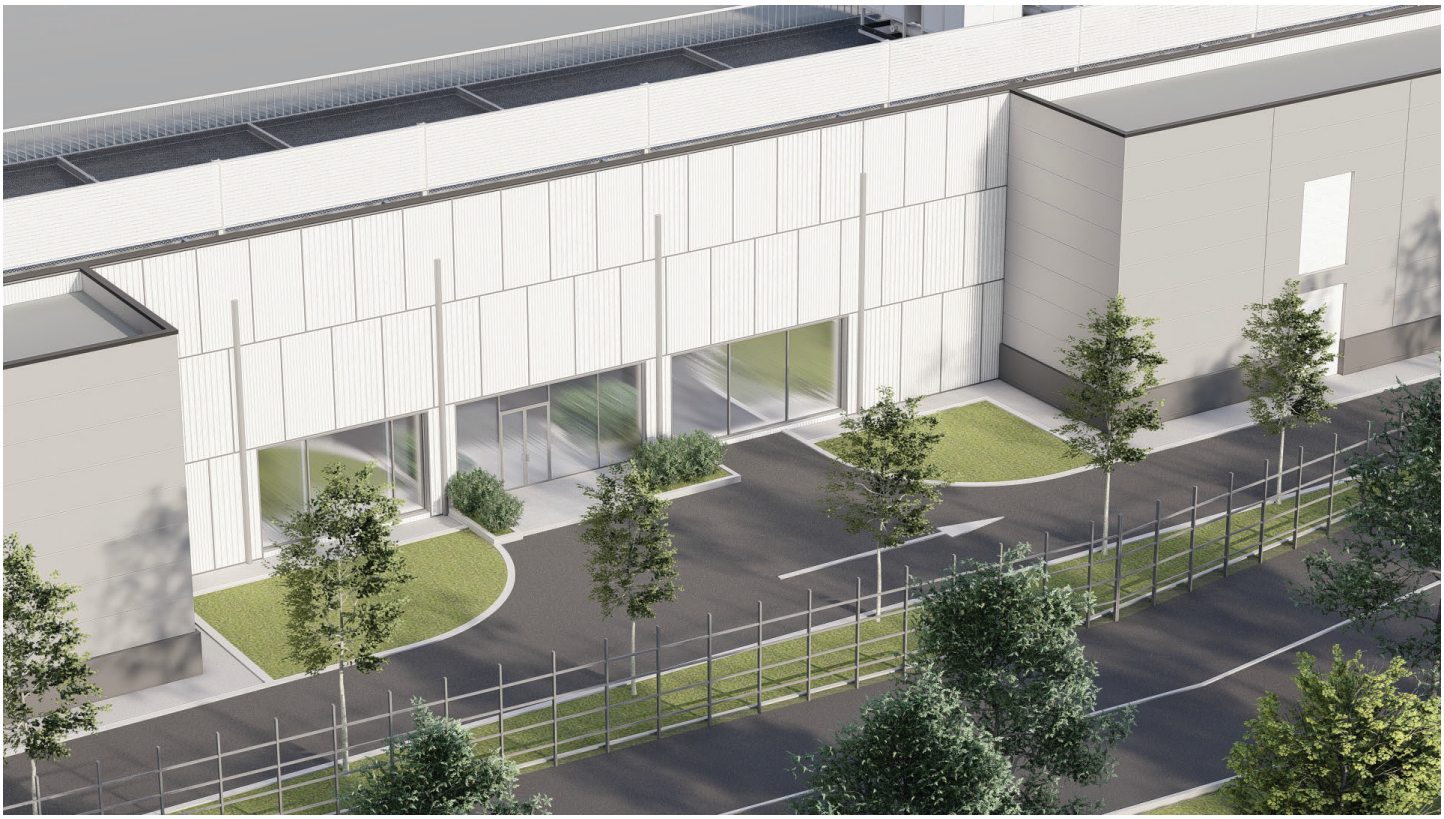


160 RACKS PER DATA HALL /
UP TO 1MW PER DATA HALL /
4 DATA HALLS

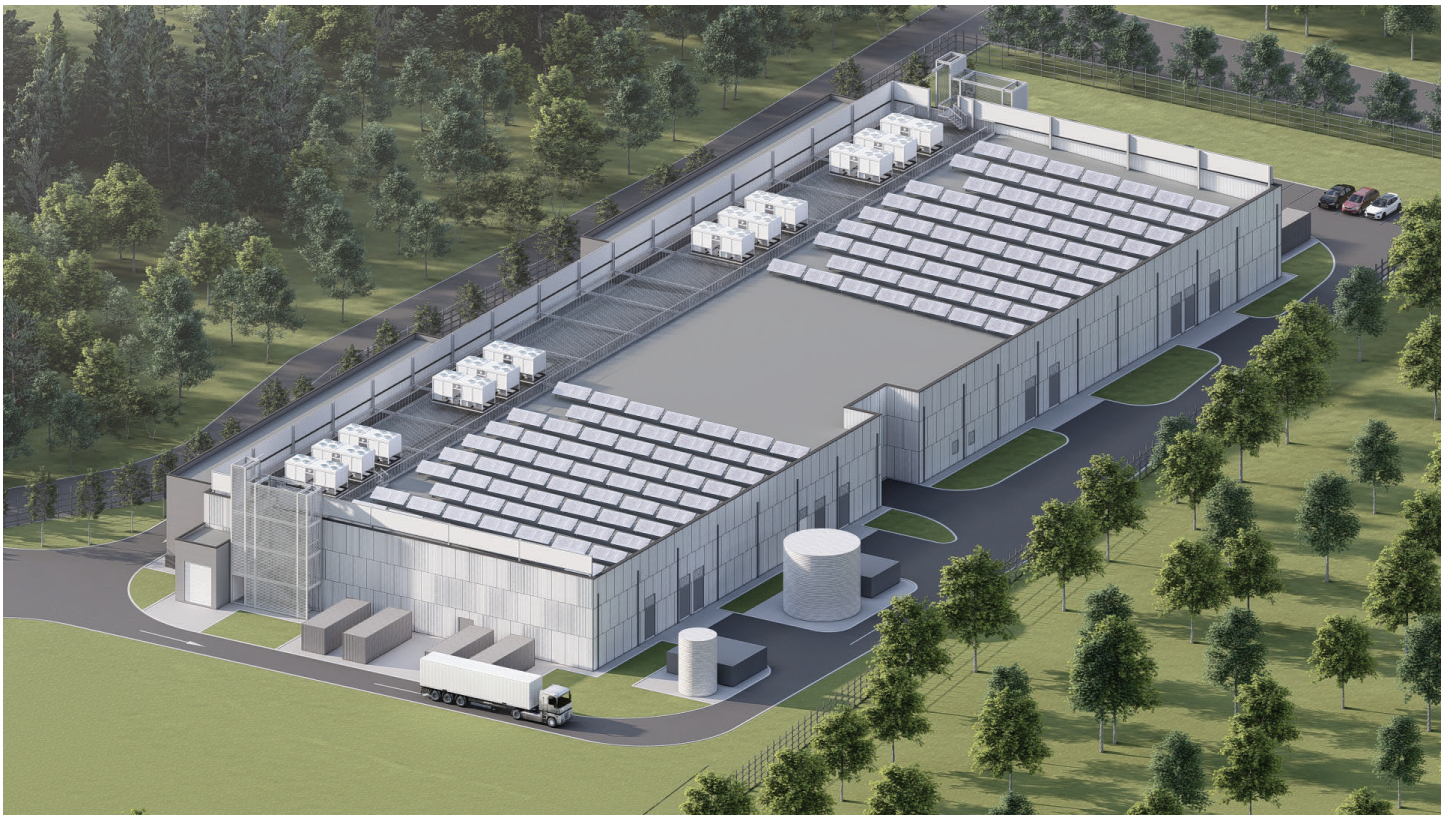
NXDATA-3 3D RENDERING

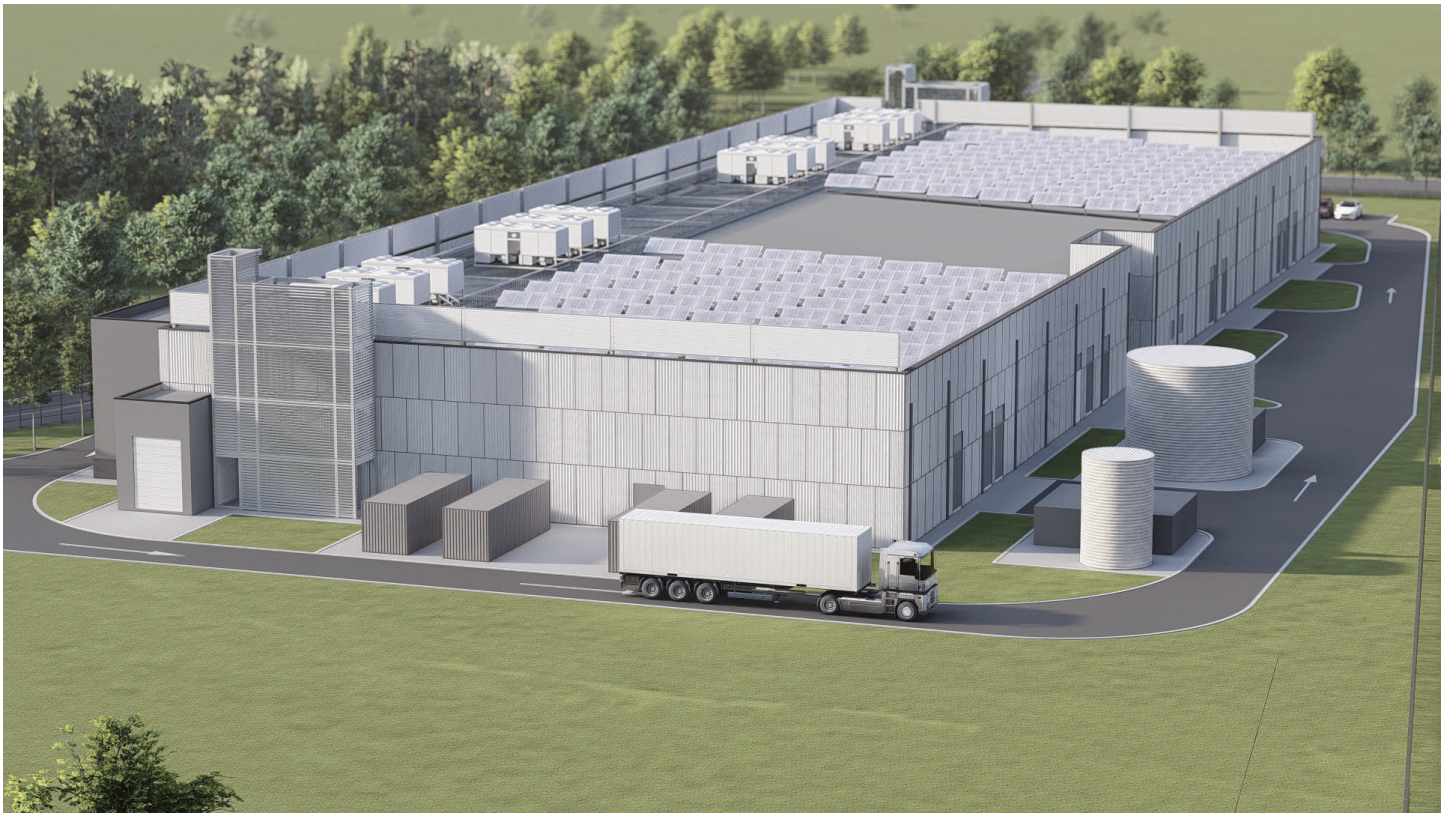


NXDATA-3 3D RENDERING

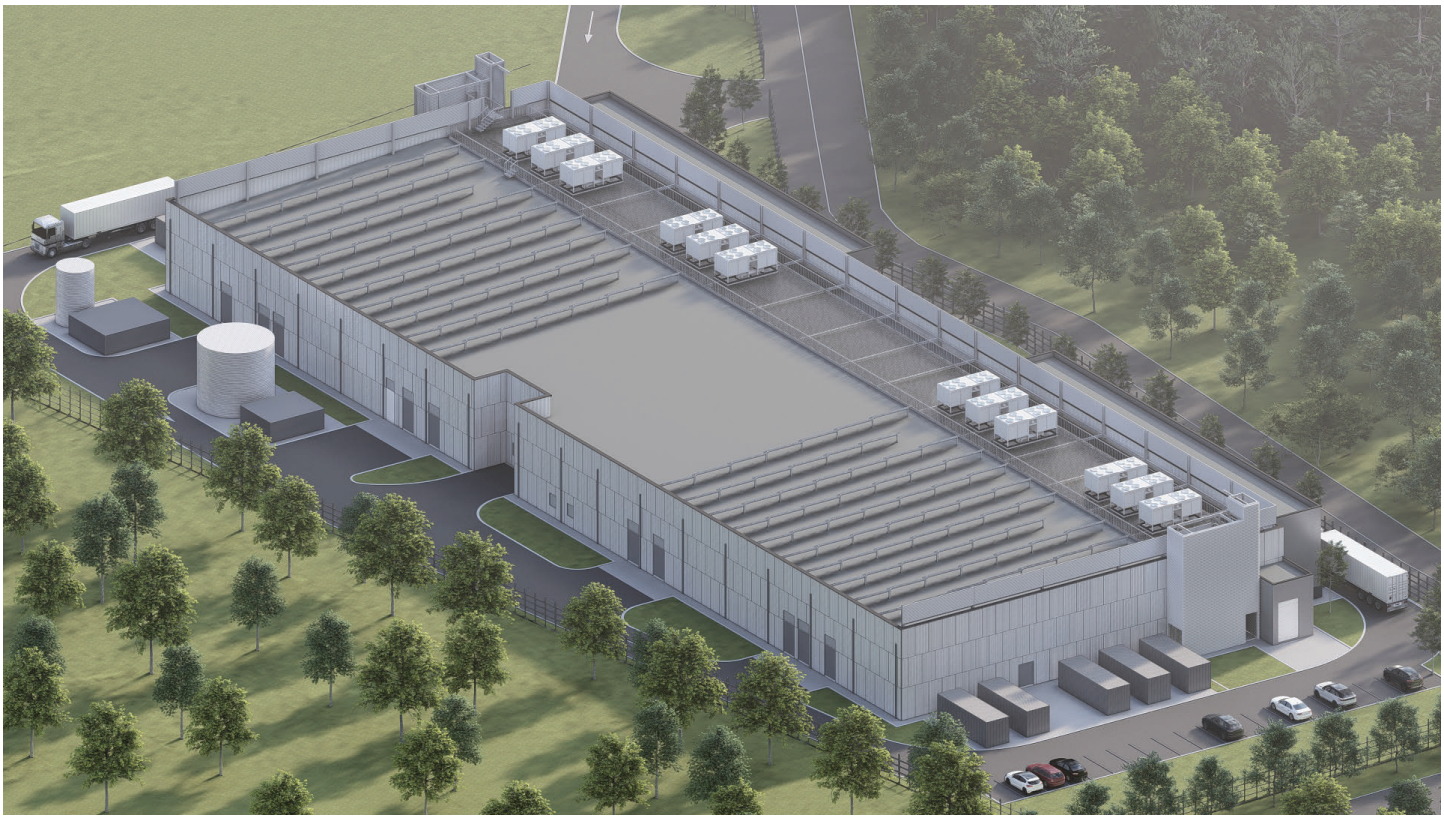


NXDATA-3 3D RENDERING





NXDATA-3 3D RENDERING



For inquiries and additional information please contact our Sales department at **sales@nxdata.ro** or Silviu Hera at **silviu.hera@nxdata.ro**.

Secure your space now!
Sign a Letter of Intent and enjoy bespoke solutions that fit your requirements.

Estimated site opening: **2026**.

Stay in touch with us:

The information in this document are proprietary to NXDATA. This document is not to be reproduced nor distributed without NXDATA's permission.