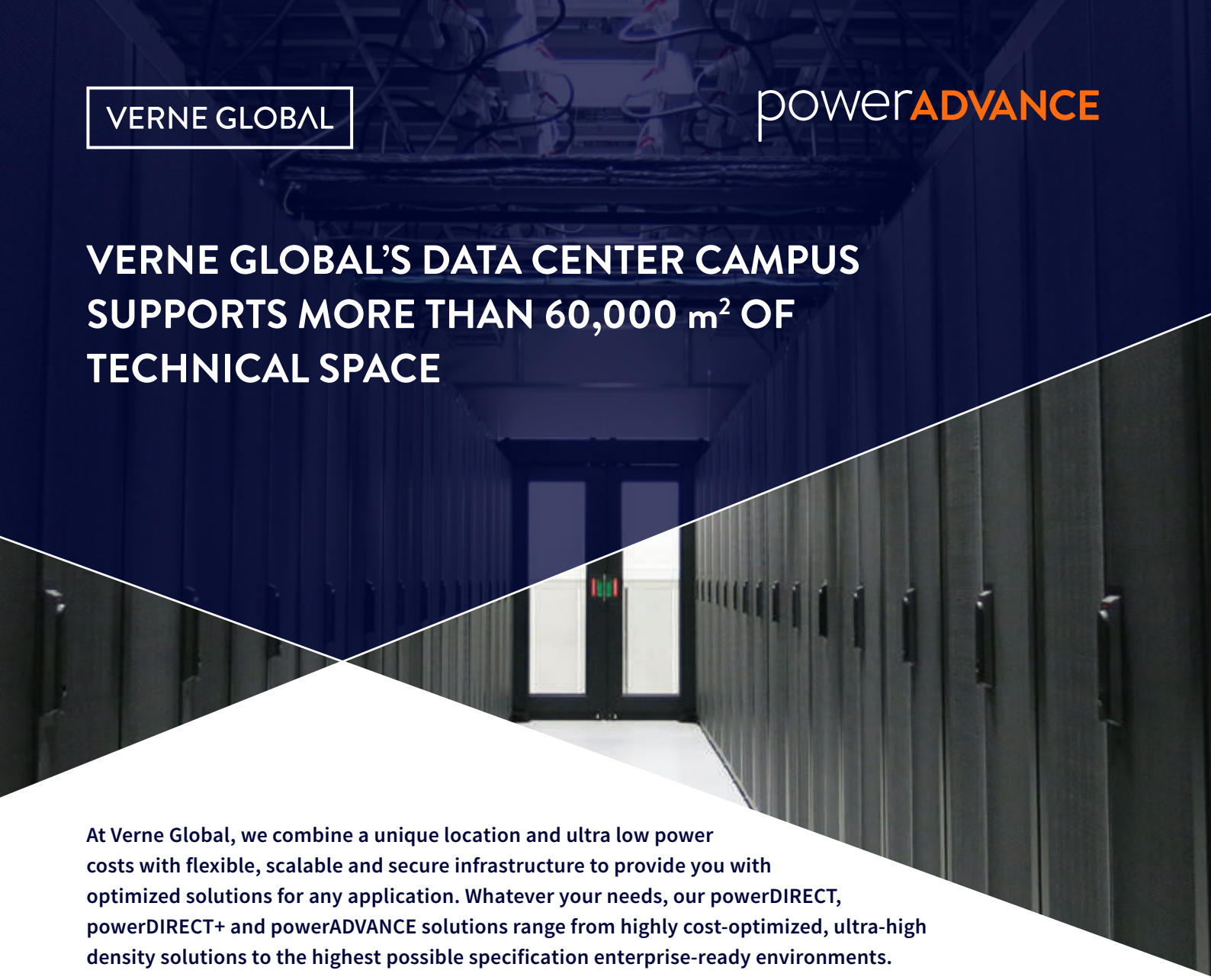
VERNE GLOBAL

powerADVANCE

VERNE GLOBAL'S DATA CENTER CAMPUS SUPPORTS MORE THAN 60,000 m² OF TECHNICAL SPACE



At Verne Global, we combine a unique location and ultra low power costs with flexible, scalable and secure infrastructure to provide you with optimized solutions for any application. Whatever your needs, our powerDIRECT, powerDIRECT+ and powerADVANCE solutions range from highly cost-optimized, ultra-high density solutions to the highest possible specification enterprise-ready environments.

CAMPUS PROFILE

- Turn-key: Physically secured space with power and cooling scalable from single rack to multi-megawatt solutions
- Redundancy: Fully redundant (2N) for critical systems
- Power pricing security: Up to 20-year visibility on electricity pricing
- Green power: 100% renewable energy (geothermal and hydro-electric)
- Cooling type: Indirect free-cooling 365 days per year
- Connectivity: 500+ international carriers connected to Verne Global
- Expansion: 44 acres/18 hectares, 100+ MW campus power capacity
- Infrastructure operations: White Glove IT Services offered 24x7x365
- Compliance: ISO 27001-2005 certified, SSAE16 Type 2 Attestation, and operated in compliance with PCI and HIPAA standards

LOCATION

Located on a former NATO base, 10 minutes drive from Keflavik International Airport, and 30 minutes from Reykjavík.

GETTING THERE

Non-stop connections from 50+ European and North American airports, including multiple daily flights from London, Amsterdam, Frankfurt, Munich, Boston, New York and Washington DC.

FLIGHT TIME

London: 2.5 hrs
Amsterdam: 3 hrs
Frankfurt: 3.5 hrs
New York: 5 hrs
Washington: 5.5hrs

powerADVANCE

powerADVANCE offers you the highest possible specification enterprise-ready data center environment, providing concurrent maintainability and 100% uptime guarantee. This solution offers flexibility for higher density scalability and air or liquid cooling capability, while still reducing your total cost of ownership significantly.

HIGHLIGHTS

- 1000 kW Pods
- 30 kW Per Rack Air Cooled
- 2N Utility Feeds
- Concurrent Maintainability
- Indirect Air Cooling
- Raised/Slab Floor Capabilities
- Evaporative Dry Coolers
- Hot/Cold Aisle Containment
- Direct Liquid Cooling Enabled
- Overhead Busway Power Distribution
- N+2 Cooling Systems
- 2N UPS Feeds to the Rack
- Free Cooling 24x365
- 100% Green Power
- White Glove IT Services

TECHNICAL SPECIFICATIONS

GENERAL	
Year Constructed	2016
# Stories	1
Total Electrical Critical Demand Load Design per Pod	1000 kW
Cooling Specification	ASHRAE TC 9.9
PUE	1.15
ARCHITECTURAL	
Pod Gross Floor Area	320 sq m
Pod Net Compute Area	261 sq m
Technical Staging Areas	Yes
Distance from Floor to Pod Ceiling	5.3 m
Lighting	w/ sensors
Loading Dock - # of Bays	3
Structural - Slab Loading Capacity	30 kN/m^2
Loading Dock - Slab Loading Capacity	30 kN/m^2
Computer Room - Slab Loading Capacity	30 kN/m^2
Customer Break Room	Yes
Customer Fitness Area	Yes
FACILITY CONTROL CENTER	
Dedicated Facility Control Center	Yes
Fire Protection Graphical Interface	Yes
Electrical Power System Monitoring (EPMS)	Yes
Mechanical Automation System	Yes
COMMUNICATIONS	
Redundant and Diverse POE Rooms for Carriers	Yes
Diverse Cable Plant Pathways	Yes
Number of Carriers Connected to Verne Global	500+
MECHANICAL SYSTEMS	
Design Cooling Capacity per Pod	N+1
Humidification System	Adiabatic
Cooling System Type	Indirect Free Cooling
Air Cooled Glycol	Dry Coolers
Adiabatic Cooling	Water Spray
Water Cooled Chilled Water	Optional
Overall Cooling System Redundancy	N+2
Air Handling Units (per Pod)	8
Fuel Oil Storage Systems	Double Skinned
Total Fuel Storage Run Time (min hours)	48 hrs
Total Volume per Pod	25,000 litres

COOLING SYSTEMS DIVERSITY	
UPS Fed Air Handling Units	Yes
FIRE PROTECTION SYSTEMS	
Minimum Standard	BS6266
Gaseous Suppression - Gas Type	Inergen
Detection System - Double Knock	Yes
Smoke Purge System	Yes
HSSD Protection	Yes
Static Fire Rated Assembly	Yes
Data Center Walls	60 mins
Electrical Equipment Rooms	60 mins
Sprinklers	Yes
Spot Detection	Yes
ELECTRICAL DISTRIBUTION SYSTEMS	
Power Distribution	Overhead Busway
Power Distribution Resiliency	2N
ELECTRICAL SYSTEMS	
Electrical Service	
Substation Power Capacity (N+1)	45 MVA
Building Mains Voltage	11 kV
Lightning Protection	Yes
Engine-Generators	Diesel
Full Load Rating per Unit	1,800 kW
Engine-Generators (redundancy)	N+1
UPS System (type)	Double Conversion
Output Rating (total)	720 kW
UPS Systems (redundancy)	N+1
SECURITY SYSTEMS	
Bullet-Proof Protection at Security	Yes
Separate Security Lobby	Yes
Security Surveillance of Loading Dock	Yes
Card Key Access within Secured Area	Yes
Camera Surveillance	Yes
Security Operations Center 24/7 Onsite Staff	Yes

FOR MORE INFORMATION CONTACT

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