

PORT BOSKAMP

SURINAME

15 MW DATA CENTER

High Performance. High Security.
Built for the Future.

15 MW CAPACITY

ADVANCED COOLING

24/7 RESILIENCE

LAYERED SECURITY

A secure, scalable digital infrastructure platform for cloud, AI, enterprise, government and mission-critical services.

Concept Presentation



A State-of-the-Art Digital Infrastructure

The Port Boskamp 15 MW Data Center is envisioned as a purpose-built facility supporting high-performance computing, cloud services, artificial intelligence, enterprise applications, financial systems, government operations and other mission-critical digital workloads.

Its architecture is planned around controlled operating environments, scalable compute capacity and modern high-density infrastructure—creating a platform that can grow with demand across Suriname and the wider region.

AI & HPC

CLOUD & ENTERPRISE

FINANCE & GOVERNMENT

INDUSTRIAL DATA SERVICES

MISSION-CRITICAL SYSTEMS

SCALABLE
ARCHITECTURE

Designed to combine capacity, control, resilience and security in one integrated digital campus.



Advanced Cooling Systems

High-performance computing depends on thermal stability. The Port Boskamp concept incorporates high-efficiency cooling infrastructure engineered to maintain precise temperature and humidity conditions across the data hall.

- Redundant cooling capacity for maintenance and component-failure scenarios
- Precision air handling and controlled environmental conditions
- Intelligent monitoring of temperature, electrical demand and cooling performance
- Scalable mechanical systems to support future compute-density growth

**24/7**ENVIRONMENTAL
MONITORING**N+1***

REDUNDANCY OBJECTIVE

15 MW

FACILITY CAPACITY

**Redundancy topology shown as a design objective; final engineering configuration to be established during detailed design.*

Reliable Power & Critical Infrastructure



Reliability is supported by a dedicated electrical architecture designed to isolate and protect mission-critical computing loads from external grid fluctuations and interruptions.

- Secured substation and protected power-distribution equipment
- Backup generation and power-conditioning systems
- Provision for uninterruptible power and energy-storage technologies
- Redundant power paths to critical computing and mechanical systems
- Modular infrastructure that can expand as digital demand grows

RESILIENCY GOAL • Maintain continuous 24/7 operation for critical services

High-Performance Computing & Server Infrastructure

The planned 15 MW facility is designed around high-density server environments with the supporting power, network and cooling infrastructure needed for demanding compute workloads.

Target Workloads

- Cloud services and enterprise platforms
- Artificial intelligence and machine learning
- Financial, trading and secure transaction systems
- Government and public-service applications
- Big-data analytics and industrial automation



Redundant power, cooling, network connectivity, monitoring and fire-protection systems are planned to support continuous operation.

Layered Physical Security

Security begins at the property line. The Port Boskamp Data Center concept uses multiple physical controls to reduce unauthorized access and protect critical infrastructure.

- 01 **Controlled perimeter and security fencing**
- 02 **Monitored entrance and vehicle-control barriers**
- 03 **24-hour surveillance and security personnel**
- 04 **Biometric or multi-factor access controls**
- 05 **Restricted access to critical equipment zones**
- 06 **Visitor management, intrusion detection and access logging**



PHYSICAL SECURITY + OPERATIONAL DISCIPLINE + CONTROLLED ACCESS

Advanced Data Security & Cyber Resilience

Protecting the information inside the facility is as important as protecting the building itself. The cybersecurity architecture can employ defense-in-depth controls across network, identity, data and recovery layers.

- Network segmentation and zero-trust principles
- Next-generation firewalls and intrusion prevention
- Encryption for sensitive data in transit and at rest
- Continuous threat monitoring and event logging
- Secure authentication and privileged-access controls
- Automated backup, disaster recovery and data redundancy



DEFENSE IN DEPTH • PREVENT • DETECT • RESPOND • RECOVER

Built for Growth and Long-Term Scalability

The Port Boskamp Data Center is planned as a modular digital campus—not a fixed one-time build. Power, cooling, space and network capacity can be expanded in phases as technology, population and industrial demand develop.

15 MW

INITIAL CAMPUS SCALE

24/7MISSION-CRITICAL
DESIGN**MODULAR**

EXPANSION STRATEGY

Expansion can support additional cloud, AI, finance, logistics, government and industrial workloads while preserving operational separation between existing and new infrastructure.



MORE POWER

MORE COOLING

MORE COMPUTE

MORE CAPACITY

A Digital Hub for Suriname and the Region

Located within the larger Port Boskamp development, the 15 MW Data Center is planned as a secure and resilient digital hub capable of serving international companies, regional businesses, government institutions, financial organizations, logistics operators, energy companies and technology providers.

More than a server building, it is intended to provide the computing foundation for cloud services, artificial intelligence, industrial automation, digital commerce and international data services across Suriname, the Caribbean and South America.

**POWERING THE FUTURE.
CONNECTING THE REGION.**

CLOUD

AI

GOVERNMENT

FINANCE

LOGISTICS

ENERGY





Connect with Port Boskamp

-  Port Boskamp, Boskamp, Saramacca District, Suriname
-  Phone: +519-694-7780
-  Info@portboskamp.com

Connect with John Van Dyke

-  Invest@portboskamp.com

[Back to Web-site Home Page](#)