Matrix 4 Data Center
AMSTERDAM SCIENCE PARK

Matrix 4 Data Center is IPTP Networks’ newly-constructed world-class data center, built using industry-leading solutions and technologies - APC InfraStruxure by Schneider Electric. Our scalable data center/IT room architecture allows our clients to deploy solutions with the highest levels of connectivity, security, adaptability and reliability all whilst being tailored and adapted to compliment the individual business model of each client.

Amsterdam Science Park is a leading cluster in four BSIK ICT proposals and internationally recognized for its major e-science, multimedia expertise and revolutionary new internet development known as ‘GRID’. The national network center also hosts the AMS-IX – one of the world’s largest internet exchanges is the prime point of presence for state-of-the-art, ultra-high bandwidth networks.

ADVANCEMENT
IPTP Networks implements, exclusively, state-of-the-art equipment provided by Cisco as the backbone of our data center network infrastructure. With our in-house, Cisco-certified engineering team we guarantee the highest level of uninterrupted, uncompromising performance of all your network resources.

SECURITY
Our Matrix 4 facilities are enhanced with 24/7 monitoring and maintenance, secured by advanced access systems. Our professional multilevel electronic system of authorization features innovative technologies such as fingerprint, and facial recognition as well as other security solutions ensuring that your data is stored securely.

APC INFRASTRUXURE
Matrix 4 is based on the APC InfraStruxure – an innovative, industry leading solution for datacenter infrastructure with unrivaled scalability, reliability and quality as well as power supply allocation per rack that by far exceeds that of competing solutions.

POWER DENSITY
Our Matrix 4 data center has a dedicated power substation with a 2MW capacity, connected to the power supply grid of Amsterdam Science Park. This ensures a fully redundant supply of electricity for the facility.
The industry accepted indicator of data center efficiency is PUE (Power Usage Effectiveness). This indicator provides an excellent representation of the efficiency of each data center’s cooling solution as well as electrical systems and infrastructure. The approximate industry average is a PUE of 2.5 with a widespread effort among providers to reduce this figure to 1.3. The Matrix 4 datacenter is designed with the latest in power-efficient technologies to target a PUE ratio of as low as 1.08 depending on load and various environmental conditions.

ADVANTAGES:

- **Hot-aisle containment system (HACS)** deployed with in-row cooling.
- The gross floor area equals 700 m² (7500 sq.ft).
- 24/7 access to qualified technical support.
- Improved resiliency.
- Simplicity of concept, design and installation.
- 48U cabinets instead of the standard 42U.
- High density racks with up to 70+ kilowatts per rack.
- Swift and effortless planning of operations.
- N+1 chiller plant.
- Quick recovery from malfunction is achieved through interchangeable modules.
- Complete redundancy of all systems and data center targeting compliance with ISO 27001, PCI DSS, ISO 9001, TIA-942, Tier 4+ industry standards.
- A+B UPS design.
- High scalability

Matrix 4 is based on the APC InfraStruXure – an innovative, industry-leading solution for data center infrastructure with unrivalled scalability, reliability and the highest quality as well as power supply allocation per rack that by far exceeds that of competing solutions.
CUTTING-EDGE PORTFOLIO OF SECURITY SOLUTIONS:

IPTP Security is based on the Cisco Self-Defending Network product line supplemented by our specialized in-house development. This system ensures protection of your infrastructure by assessing vulnerabilities, detecting attacks and responding to suspicious activities and events. IPTP Security Solutions have been designed specifically to take full advantage of the Cisco platform that in conjunction with our internal know-how is able to deliver a long-term development strategy allowing our clients to take full advantage of the intelligence in their network resources, significantly streamlining business processes and cutting costs.

MANAGED IDS/IPS

With our Managed Intrusion Detection/ Intrusion Prevention service, you receive a proven deep-packet inspection-based technology, combined with end-to-end management, monitoring and maintenance. The service is deployed at strategic locations across your network in order to detect and react to misuse, attacks and security policy violations.

SECURE ROUTER

Through the Managed Secure Router service, you receive a managed WAN router with integrated security, that provides protected connectivity, includes hardware-based encryption for VPN and supports many other security features.

SECURE ACCESS

Managed RSA SecurID® solution features a wide range of user authentication options to help positively identify users before they interact with mission-critical data and applications. The system uses a self-generating security token in addition to conventional user password, making sure your sensitive in formation is secure at all times.

MANAGED FIREWALL

With this service IPTP Networks provides you with Cisco's proven firewall technology solutions and combines them with end-to-end management, monitoring and maintenance to enhance the protection of your business infrastructure.