MATIX 4 DATACENTER

AMSTERDAM SCIENCE PARK

PCI DSS COMP AN

IPTP Networks®

Better Network, not just a bigger one!

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 wolds largest internet exchange 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 per formance of all your network resources.

COST-EFFICIENCY

The high level of performance is achieved by the use of a cooling system solution with a “free-cooling'' feature. This allows us to minimize cooling expenses as well as contributing to a better overall efficiency of the datacenter given the climatic conditions in Amsterdam with the average annual high of 12.8 and low of 7.5 degrees centigrade.

FLEXIBILITY

APC InfraStruxure is the pinnacle of highly scalable and adaptable data center IT room architecture. All components are pre-tested as part of unified ultra-functional system. Our facilities are designed with corporate clients in mind, resulting in uncompromised performance, ultimate flexibility and control over your business.

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 unrivalled 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 Amster- dam Science Park. This ensures a fully redundant supply of elec- tricity for the facility.

ACCESS TO

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MAJOR DATA CENTERS VIA DARK FIBRE

- Equinix AM1/2/3
- NIKHEF (AMS-IX)
- Science Park Interxion
- Matrix 4
- Digital Realty
- EvoSwitch Haarlem

Own and partner infrastructure connecting major datacenters in the Amsterdam Science park area

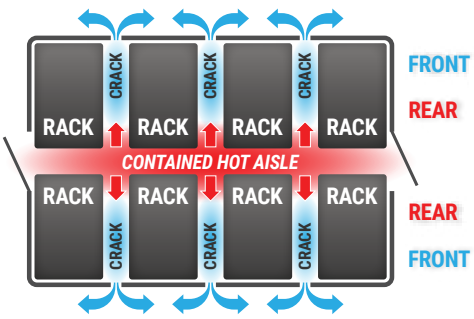
A FORTRESS FOR YOUR MOST SENSITIVE DATA

ECO FRIENDLY

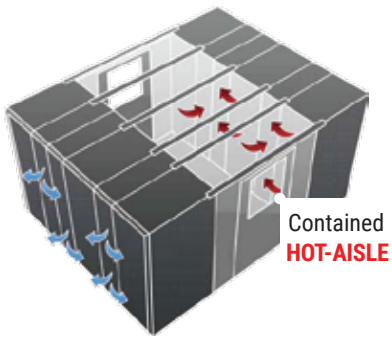
The industry accepted indicator of data center efficiency is PUE (Power Usage Effectiveness). This indicator provides an excellent representation of the efficiency of each data center's cooling solution as well as electrical systems and infrastructure. The approximate industry average is a PUE of 2.5 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



Hot-aisle containment system (HACS) deployed with row-oriented cooling



InfraStruxure

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.

AMERICAS
IPTP LLC
130 7th Avenue, Suite 119, New York, NY 10011, USA
e-mail: us@iptp.net
phone: +1 (302) 407 4023
fax: +1 (302) 407 4023
Support: +1 (302) 407 4023

IPTP Networks S.A.C.
Ñandúes N° 113, Urb. Limatambo Surquillo 15047, Lima, Perú.
e-mail: info@iptp.pe
phone: +51 1 642 00 61

ASIA-PACIFIC
IPTP LIMITED
2602A, 26/F, Goodman Global Gateway, 168 Yeung Uk Road, Tsuen Wan, Hong Kong
e-mail: hk@iptp.net
phone: +852 2438 3217
phone(CN): +86 139 1147 2755
fax: +852 2438 3218
Support: +852 2438 3217

IPTP Networks Company Limited
03, lầu 06, 4A/167A Đường D1, Phường 25, Quận Bình Thạnh, Thành phố Hồ Chí Minh. Việt Nam
e-mail: vn@iptp.net
phone: +84 287 109 9858
fax: +84 287 109 9859

EUROPEAN UNION
Fredonia Trading Ltd
P.O. Box 54761, Limassol, CY-3727, Cyprus
e-mail: cy@iptp.net
phone: +357 25 878 860
fax: +357 25 878 862
Support: +357 25 818 429

IPTP Networks
Science Park 404, BG 1098 XH, Amsterdam, The Netherlands
e-mail: nl@iptp.net
phone: +31 207 147400
fax: +31 207 147498
Support: +31 207 147499

RUSSIA
IPTP Ltd
17B, Butlerova street, office 337, 117342, Moscow, Russia
email: ru@iptp.net
phone: +7 495 983 0023
fax: +7 495 983 0023
Support: +7 495 983 0023

IPTP Networks
www.iptp.com