# 1net mediacorp

Hello! Nice to meet you!

About Us

Sparking a difference in Singapore's broadband development, we have delivered world-class data connections domestically and internationally for nearly 20 years. As a carrier neutral data center, we support local and global telco providers, government agencies, local enterprises and financial institutions.

Our ability to support these clients is from a clear desire to deliver service excellence backed by great data security and maximum connectivity providing speed, efficiency and reliability. With an excellent operational track record, 1-Net is among the very few providers that provides a comprehensive range of integrated services as a one-stop shop.

1-Net is a Mediacorp enterprise, focusing on connecting the world of media to a wider business ecosystem, aim to be the first media-centric data center in Southeast Asia. Mediacorp has the widest range of media platforms in Singapore spanning digital, television, radio, print and out-of-home media.
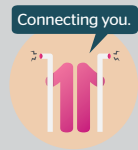
Our Services

Data Center
Power & Cooling
Standard Cabinet
Private Cage
Private Suite
Design & Build
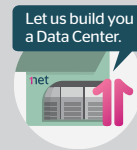
Let us build you a Data Center.

Connect
Interconnected Data Centers
IP Transit Services
Peering Network
Cross-Connect Services

Connecting you.

Media
Content Delivery Network Services
Webcast

Lights, Camera, Action!

Engage
Managed Services
Consultancy Services
Work Area Recovery Services

Let us manage your system.
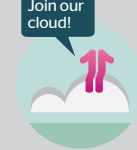
Cloud
IaaS platform (Infrastructure as a Service)
Multi-tenant & Exclusive Cloud Services

Join our cloud!

Why 1-Net?

1-Net is fast transforming itself into Asia's Data Center of Choice. As one of the pioneers in broadband development in Singapore, 1-Net currently manages telco-class carrier-neutral Internet Data Centers, along with providing domestic and international connectivity, managed services, media delivery services and cloud services.

Powered by People.

Your Benefits

We believe our interactions with our clients create value through using purposeful collaboration in forming open and trusting relationships. We value our clients and believe that a good rapport is essential in providing cutting edge solutions that can propel their business growth. Our team of professionals will go the extra mile and take on challenges with a positive attitude and a commitment to excellence.

1-Net's Cloud Service - Alchemy

Alchemy is an IaaS platform which enable users to build and manage scalable infrastructures on demand.
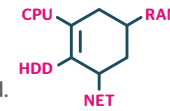
Why 1-Net's Alchemy?

- **Self-Service Portal** to build and manage scalable infrastructures on demand with real time billing and monitoring
- **Carrier-grade Firewall** spanning across all **7 Layers** and **2FA**
- **Utility Based**, Low cost, **Pay-Per-Use** with the simplest pricing model
- **Open API** compatible with all leading cloud infrastructures and management systems
- **High Performance** Virtual Machines distributed in two fully independent data centers
- **Free Licenses** for Enterprise Operating Systems such as, Microsoft windows, Ubuntu, Oracle Linux, CentOS, etc
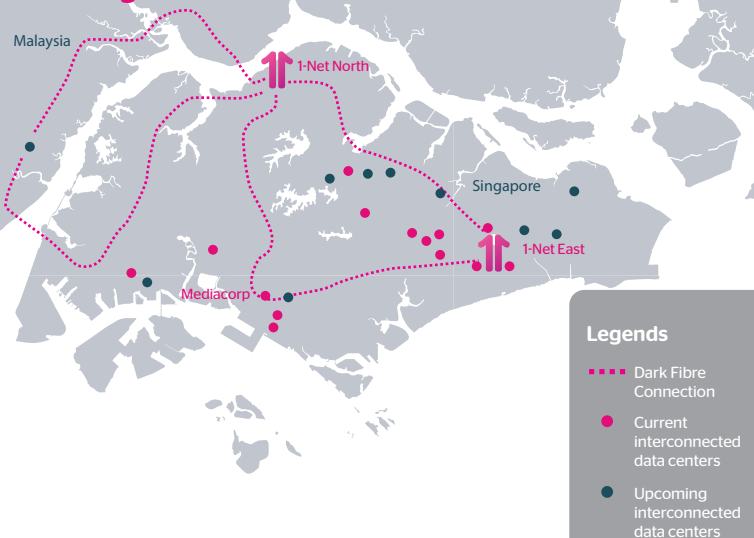
✓ Flexible   ✓ Pay-Per-Use   ✓ 24/7 Customer Support

1-Net Work Area Recovery Suite (WARS) Services

1-Net offers shared or dedicated Work Area Recovery Suite Services which includes public WIFI connectivity, connectivity to the data center, meeting rooms and conference suite to meet all your emergency operations needs in times of crisis.

Convert CAPEX to OPEX → **Benefits of WARS Services** ← Available 24 x 7 x 365 days

Hassle free alternate site
Supported by certified BCM experts
Facility supported by UPS power

Coverage of Data Center Corridor

Malaysia
1-Net North
Singapore
1-Net East
Mediacorp

Legends
- - - - Dark Fibre Connection
● Current interconnected data centers
● Upcoming interconnected data centers

What is Data Center Corridor and What it Covers?

Data Center Corridor (DCC) is an initiative to interconnect any data centers with diverse connectivity options for enterprises and service providers.

26 data centers will be connected via DCC in Singapore by end 2016, with roadmap to include more data centers in key ASEAN cities in the near future.

Your Benefits

- Enjoy high speed connectivity between data centers at a lower cost
- Lower network latency
- Connectivity options with diversify routes between data centers
- Promote business interactions through seamless connectivity between data centers
- Facilitate businesses for quick deployment and access international markets more rapidly
- An alternative choice to local telco providers for Cloud, Application Providers, Content Distributors etc

Leverage on our Data Centers' Ecosystem through 1-Net's Data Center Corridor

Stay Connected!

Interested to find out more?

Enclosed is my business card.

1-Net Singapore Pte Ltd
Tel: (65) 6709 4333
Email: sales@1-net.com.sg
1-net.com.sg

V3022016

Introduction to 1-Net North

1-Net North is a standalone five-level purpose built facility for mission critical data applications, slated to be ready for service in 2016.

It will be certified with both Tier III Certification of Design Documents and Tier III Certification of Constructed Facility by Uptime Institute.

At 1-Net North, we provide the physical environment and physical security that assures our client's systems are up and running round the clock securely.

Our facility has four levels of data center white space and one floor of office and ancillary space, designed with raised floors, resilient UPS, HVAC and environment control systems.

What makes us different?

Site Information

Location
• Northern Singapore
• Close proximity to the Planned Northern Business Park

Nearest Essential Services
• Police Post approximately 0.3 km
• Fire Station approximately 3.4 km
• Hospital approximately 6.9 km
• Marsiling MRT Station 1.0 km

Key Features of 1-Net North

Global Data Center Recognitions
• Tier III Certification of Design Documents by Uptime Institute
• Tier III Certification of Constructed Facility by Uptime Institute

Proximity to Key Network Infrastructure
• Close proximity to major west bound international cable systems

Highly Secured Premise
• Bomb-blast proof reinforced concrete wall around facility
• Reinforced concrete anti-crash wall with anti-climb fencing on perimeter
• Multiple layers of security access control in facility

Carrier-Neutral Data Center
• As a carrier-neutral provider, customers can use multiple vendors for connectivity in our data center

Facilities are Fully Backed Up by 3 Independent UPS Systems
Each independent system supports the following respectively:
• Critical IT loads
• Air Conditioning and Mechanical Ventilation (ACMV) System
• Security and monitoring environment

Physical Segregation
• The UPS and Battery Rooms are fully compartmentalised with 2 hours fire rating
• Each "N" system of the UPS and Battery rooms are located at the opposite sides of the data center
• Minimum 30m physical segregation between the high voltage mains power supply intake located on the ground floor and the backup power supply located on the roof

Fault Tolerant System Design
• Designed with multiple active power and cooling distribution paths. The entire electrical and mechanical systems are capable of providing continual operations in the event of any component failure. The system is designed with the following criteria:
  - √ **No single point of failure** – The system will continue to operate without interruption during the repair process
  - √ **Fault isolation to the failing component** – The system is able to isolate the failure from the affected component when a failure occurs
  - √ **Fault containment** – This will prevent propagation of the failure component to the rest of the system

Dissipation Array™ System
• Singapore has one of the highest rate of lightning activity in the world. Dissipation Array™ System is installed in our facility to prevent direct lighting strike termination to our facilities, providing customers with additional assurance.
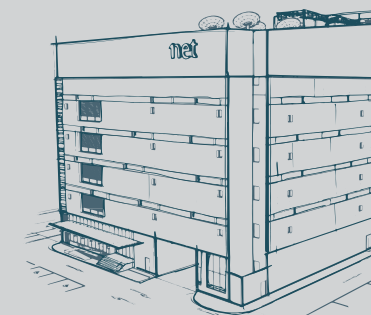
1-Net North Accreditations

• Tier III Certification of Design Documents by Uptime Institute
• Tier III Certification of Constructed Facility by Uptime Institute
• Threat and Vulnerability Risk Assessment (TVRA)
• BCA-IDA Green Mark Award for New Data Centres (Gold Plus)
• ISO27001 Information Security Management System (ISMS)
• ISO22301 Business Continuity Management System (BCMS)

Disclaimer: Certifications are work in progress at the time of printing.

Key Building Specifications

Item	Description
Building Structure	• Steel / Reinforced Concrete • Bonded Post Tensioned (PT) Flat Slab Structure
Façades	• RC Walls with Aluminum Cladding • Building has No Windows at External Walls
Perimeter Fencing & Entrances	• RC Knee walls with Anti-Climbing Welded Mesh Fencing for all Perimeters • Full Height Turnstiles Main Gate for Personnel Entrance • Anti Crashing Barrier for Vehicle Entrance
Building Type	• Purposed Built, 5-Storey Data Center Building
Total Build Up Area	• Approximately 20,000 m²
Floor Height	• 5.9 meters slab-to-slab (Level 2 to 5) • 5.2 meters slab to beam (Level 2 to 5)
Floor Structure Loading	• 12.5 kN per square meter for all Data Center Floors & Plant Rooms
HT Electrical Supplies Infrastructure	• 2 x 22kV Power Grid Substations • Diverse HT Cable Route for each PG Substation • Total Up to 30 MVA Power Capacity
Electrical Distribution System	• 2N Power Supply Distribution via Opposite side of Building Risers • 4 x 2.5MVA Power Transformers Dedicated to IT Loads per Data Center Floors

Note: All information is correct as at time of print in Feb 2016.