



I-NET’s new next-generation Data Center completed in time for June operations

With the highest facility and security standards in the country, cloud computing and virtualization services are proactively promoted

Following the successful launch of its 1st Data Center (in Yokohama, Kanagawa prefecture), I-NET is pleased to announce the completion of the Bldg.1 (hosting about 1,000 racks) at its 2nd Data Center, with service scheduled to begin in June.

Data Center built to the country’s most rigorous safety levels

The 2nd Data Center has been constructed to an extremely strict disaster-proof level on solid ground to minimize the risk of flooding or terrestrial liquefaction to ensure security in the event of a large scale disaster, as well as to meet the investment needs for accelerating computerization in companies within the metropolitan region, and to reduce or minimize IT costs while increasing the efficiency of operations management. It is a next-generation data center designed to the nation’s most rigorous specifications, incorporating as it does a seismic isolation (i.e. quake-absorbing) system within the foundations, coupled with a network environment, air-conditioning systems and power supplies with redundant configurations.

Promoting cloud computing and virtualization services

Although corporate information systems are shifting from an era of “purchasing and developing” hardware and software to “using” provided systems, I-NET remains steadfast in its aim of establishing a balanced operating revenue base and improved business performance by providing a comprehensive service menu in combination with a secure facility environment. In particular, our future focus is the realization of cloud computing, and we intend to swiftly implement virtualization services that combine our data centers with virtualization technology.

Outline of 2nd Data Center

Building	Location	Yokohama city, Kanagawa pref.
	Construction	RC, quake absorbing (hybrid TASS method)
	Structure	5 stories above ground (flat slab, story height: 5 m, FA height: 77 cm)
	Floor load	Slab surface: 1,000 kg/m ²
	Total area	Approx. 13,000 m ² (Bldg.1: 7,220 m ² , comprising about 1,000 racks)
Electrical equipment	Power receiving system	Extra high voltage 66,000 V, 2-system power reception via main and auxiliary lines
	Power generator	N+1 parallel redundant configuration; enables 48-hour continuous operation during electrical outage. Extended operation possible by adopting automatic fuel oil supply system.
	UPS*	N+1 parallel redundant configuration
Air conditioners	Air-conditioning system	Inverter-type air conditioner, floor-mounted up-blower system, N+2 redundant configuration
Security		Biometrics (iris verification), non-contact IC cards, flapper gates, man traps, ITV cameras
Operations		24/7 manned operation

*UPS: Uninterruptible Power Supply



The following is an overview of the features and services offered by the 2nd Data Center.

Features of the 2nd Data Center

1. Location affords enhanced convenience and safety for the metropolitan area

The 2nd Data Center has recently been constructed on solid ground with minimal risk of either flooding or liquefaction. Mindful of the region's constant natural risks, it is sited some 9 km inland at an altitude of 48 m above sea level, yet is about 37 km from the urban center. Although it is located in the Tokyo suburbs, it has convenient access to the city center, and the center can be visited in the event of a disaster.

2. Facility incorporates the most rigorous safety measures in the country

The building incorporates a seismic isolation system (a quake-absorbing structure) using the hybrid TASS construction method, and power supplies and air-conditioning systems, etc. based on redundant configurations are provided to support disaster recovery and business continuity plans (BCP). A 2-system power receiver is used for the extra high voltage of 66,000 V, the power generator can operate continuously for 48 hours even in the event of a power cut, and – in the event of a disaster – operations can still continue beyond that thanks to an automatic fuel supply system.

3. State-of-the-art security system

In order to ensure security at the data center, access is controlled by non-contact IC cards, passwords and biometric technology (iris verification), while entry and exit to/from rooms is controlled through a combination of flapper gates and mantraps. A rigid security system has also been established by monitoring and storing images using a cutting-edge ITV camera.

4. Environment-friendly ecological data center

An airflow design has been adopted using advanced thermal analysis technology and a cutting-edge VR system – “Hybrid Vision” – to simulate a warmer environment.

Ensuring a 77-cm free access height and five-meter story height, a more efficient air-conditioning system has been designed by adopting flat ceiling slabs, reducing electricity consumption using an energy monitoring system, and supporting ecological IT, such as reducing the load imposed on facilities and equipment, etc. by collecting waste heat using a total heat exchange ventilation strategy.

The 2nd Data Center was assessed as “A rank” under the Comprehensive Assessment System for Building Environmental Efficiency (CASBEE Yokohama).

5. Open carrier network

Open carrier network - Nodes are set up for a number of carriers for quick access to users' networks, enabling speeds of 10G or more with large volume communication from the introduction stage.



Service Features

1. Virtualization service

In order to realize cloud computing, a data center must be combined with virtualization technology. VMware Infrastructure 3 (VI3) has been adopted as the virtualization platform. We have also been certified as an Enterprise Partner in the VMware VIP Program and a VMware Authorized Consulting (VAC) partner, and have been focusing on mastering virtualization technology and training full-time engineers. The platform will be upgraded from the current “VI3” version to its successor version – “VMware vSphere 4” – in the 2nd Data Center, and will promote hosting services through virtualization and virtualization operation services, coupled with collaboration between data centers. We believe this series of services are well suited to customer demand.

2. SaaS and cloud services

We will mount SaaS/hosting solutions and plan to expand the new SaaS business at the 2nd Data Center. We have entered into a collaborative tie-up with NetSuite, the provider of the SaaS integrated business application “NetSuite” for small and mid-sized companies, for sales from May 2009, and aim to provide various data center services as well as using and expanding sales of NetSuite’s platforms.

3. IT managed services

We proactively provide IT managed services to control specific IT equipment for our customers. We offer a variety of utilities for rental, such as servers, routers, firmware, software and local buses, as well as management, security, storage and various hosting services. In terms of the system’s operations management structure, we implement the ITIL set of guidelines on management of computer system operations to standardize operational management, and equalize service provision levels while enhancing quality.

4. BPO platform

Business process outsourcing (BPO) can be used in accordance with each user’s needs through connection with the 1st Data Center, which is the main provider of BPO services (printing, insertion and sealing, delivery, operations system outsourcing) and IT outsourcing service, etc. with high-speed large capacity lines. Thus, we represent a one-stop provider of various IT and business services with secure facilities.

5. Services for IBM i for Power Systems (AS/400)

I-NET retains extensive AS/400 development and operational results, including for the “LOAN RANGER” package for the financial industry. We operate customer’s AS/400 systems reliably based on know-how accumulated through the financial system. We provide the optimal service to customers over a wide spectrum, ranging from ordinary operations to disaster recovery and security countermeasures, etc.



6. Total solutions and outsourcing service

I-NET retains the experience and know-how accumulated over many years across multiple industries, such as finance, manufacturing, and retail distribution, including the software development technology to back up the attitude control systems for the “Kaguya (Selene)” lunar satellite, “Kibo” space experiment module, and “Kizuna” Internet satellite, etc.

There are actually many total solutions provided including post-activation operations for the oil industry and non-banking finance sector. We provide total solutions and outsourcing services based on such accumulated know-how and results corresponding to a diverse range of needs.

*Dedicated site for the 2nd Data Center

<http://www.inet-datacenter.jp/english/index.html>

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The investment details, equipment and service details, service start date, and contact for inquiries, etc. described in this news release are correct as of the date of issue. Please note that such information is subject to change without notice.



I-NET CORP. Overview

Trade name	I-NET CORP.
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Phone#	+81-(0)45-682-0800(main)
Founded	April 22,1971
Listing	Tokyo Stock Exchange 1st Section of the Tokyo Stock Exchange(code:9600)
Business operations	Data processing service Software development
Net sales	¥25,385million(FY2008:consolidated)
Capital	¥3,203million(as of March 31,2009)
Employees	Non-consolidated 1,053,consolidated 1,712(as of April 1,2009)
Qualifications	Ministry of Health, Labour and Welfare Filed notice of Specified Workers Dispatching Undertaking
	Ministry of Economy, Trade and Industry Authorized as System integrator
	Ministry of Internal Affairs and Communications Notifying telecommunications Carrier
	JIPDEC Permitted for the Use of Privacy Marks
	JQA Acquired the certification of ISO 9001:2000 Acquired the certification of ISO14001 Acquired the certification of ISO/IEC27001
Web site	http://www.inet.co.jp/english/index.html

Following endorsements for this news release concerning initiation of services at the 2nd Data Center were received from VMware K.K., KDDI CORPORATION, SOFTBANK TELECOM Corp., TAISEI CORPORATION, NEC Corporation, NetSuite Inc., FUJITSU LIMITED, and Brocade Communications Systems Inc.

*Corporate endorsements

http://www.inet.co.jp/english/topics/pdf_news/2009/20090527_2.pdf