

Beyond Promise

LG CNS

Global Cloud Data Center

Are your digital assets vital to your business growth?
Then, let LG CNS manage it for you

Solution



For further information, please contact:
datacenter@lgcns.com
www.lgcns.com/en
Copyright © LG CNS Copyright 2011. All rights reserved.
Prime Tower, #10-1, Sogongro 48, Jung-gu, Seoul, 100-603, Korea

With the QR code on the right side
you can connect to a mobile website conveniently



Contents



LG CNS
Global Cloud Data Center

Busan Global Cloud Data Center Introduction_ 04

Data Center Service_ 05

'Custom Data Center' Tailored Service to Client's Business Requirement

'Seamless Care' The Best Security

'Green Data Center' The Next Generation Data Center for Eco-Friendly Business Environment

'Management Edge' Operational Expertise

LG CNS Data Centers_ 09

Busan Global Cloud Data Center

Go Together with LG CNS, Korea's First and Best Data Center Operation Company in the Future Center of the World's Data, Busan, Korea.

Customized Service based on Flexibility/Scalability 'Customized Data Center'

Think with LG CNS for any Data Center for your Needs.
LG CNS will be your Most Optimized DC Business Partner.



The Global Data Center Based on the Strategic Cooperation with the Central and Local Governments.

Accredited "the Global Cloud Data Center Hub"

Customized Data Center: Various Data Center Services for Individual and Secured & Resilient Data Center Services for Corporate Clients.

Colocation Service / Build-to-Suit Service / Consulting Service

Busan, the Most Optimized Location for Data Center Operation

The gate of the international communication as the concentrated location of the international subsea cable network's landing stations.

An earthquake-safe city with no earthquake incident more than 3.0 magnitudes during last 30 years.

Location	Mieum Complex (The Free Economy Area), Ganseo - Gu (District), Busan
GFA (Gross Floor Area)	23,140m ²
Architecture	Anti-Earthquake and Seismic Design
Electricity	Self-Dedicated Redundant Power Service, Self-Power Generator, High Power Density to each rack. Seismic Design.
Water-Resistance	Isolated Water Pipe System and Perfect Waterproof Designed Machine Rooms
Network Connectivity	Carrier Neutral
Estimated Completion Date	December, 2012

(1) Colocation Service

- Private Suite
- Standard Rack
- Colocation Service with High Power Density (6KVA - 12KVA)
- Colocation Service Specialized to the Client Business Environment

(2) Build-to-Suit / Turn-Key Data Center Service

- Customized Center Reflecting the Client's Requirements in the Overall Establishment Process including Design, Installation and Operation.
- Highly Integrated and Energy Efficient Modular Data Center
- Custom Data Center Construction and Long-Term Lease
- System Operation Service

(3) Consulting Service

- Short to Long-Term Strategy Consulting
- Establishment/Relocation Consulting
- Operation Diagnosis/Optimization Consulting

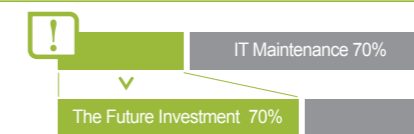


Customer Specialized Colocation Service and Center Establishment



Consulting Service for the Optimized Center Management

Smart CIO



CIOs as Innovation Leaders, But...

In reality, 70% of the IT budget is spent on the IT infra maintenance. To be the vision presenter and the innovation leader with the remained 30% of the annually 2-3% increasing budget, the persistent concern on cost reduction becomes not stoppable.*

LG CNS provides the optimized and customized services for clients' business circumstances through various data center models. LG CNS ensures to support its clients to become innovation leaders based on IT infrastructures.

* Source: The New Voice of the CIO, IBM (2009)

The Best Security, 'Seamless Care'

In the era of fierce competitions and rapid changes, the drive of clear insight based on the data for client lead is essential.
Experience LG CNS for the data management with real-time security.

The Next Generation 'Green Data Center' for Eco-Friendly Business Environment

LG CNS fulfils its corporate environmental responsibilities with the data center which is actively adapted Green IT Solutions from the design to the operation.



Earthquake and Flood Preventive Design



Real-Time Facility Monitoring and Security

(1) Disaster-Safe Data Center

- Anti-Earthquake and Seismic Design
- Flood Prevention Design

(2) Complete Redundancy on the Entire Facility

- Uninterruptable (Zero Downtime) Power Supply based on the Dual Power Systems including Power Transformer Facility.
- Secured Sufficient Independent Power Generation Capacity
- Redundant and Backup Facilitation of Air Conditioning System
- Stabilized Communication Guaranteed with the Dual NW Supplier Arrangements and Redundant Cable System.

(3) Facility Control

- Integrated Facility Management
- Automatic Control System
- Operation by Well Experienced Expert Staffs

(4) Cutting-Edge Multiple Security

- Biometric Verification Security (iris, Vein and Body Weight))
- Smart Security
- Turnstile gate

(1) Eco-Friendly Building Architecture

- Power Cost Savings by Utilizing Solar Power
- Power Loss Elimination by Utilizing Electric Power Saver

(2) Green Temperature Control

- "Patented Home-Grown" Cold Aisle Containment Technology (15% Power Cost Saving)
- Free Cooling with Airside/Waterside Economizer
- Recycling of Waste Water / Air

(3) Efficient Operation Management

- Real-time Monitoring and Diagnosis of Power and Air Conditioning
- IT Resource Optimization
- PUE* Management for Carbon Emission Reduction



Solar Power Utilization

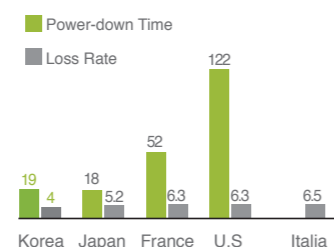


Centralized Cooling Adaptation

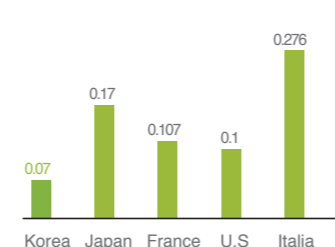
The Electricity Quality of Korea

Korea's electric loss is 4.0%, No.1 in the world, and its power-down time shows the second shortest in the world after Japan. In the meanwhile, Korea's electricity charge is the lowest among OECD nations with the high quality electric infrastructure.

Electric Quality* (Unit: minute, %)



Electric Cost** (Unit: USD/kWh)

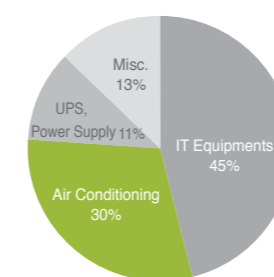


* Source : http://www.js-hitech.co.kr/bbs/bbs/board.php?bo_table=sub_04_01&wr_id=29
** Source : IEA Electricity Information 2010

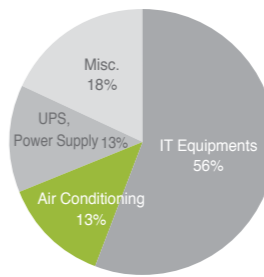
LG CNS's Contribution for Sustainability

LG CNS reduces yearly 18% of carbon emission through Data Center Service based on the Green IT Strategy

General DC Power Consumption Composition**



Sangam Center Power Consumption Composition



VS

- Centralized Cooling • Data Center Atomization
- Virtualization & Consolidation • Remote Facility Operation
- Real-time Electricity & Air Conditioning Monitoring

* PUE(Power Usage Effectiveness) : Power Efficiency Index
** Source: Lawrence Berkeley Laboratory

'Management Edge', the Global Top Levelled Operation Capability

LG CNS has the capability for integrated-control and operation of 7,000 servers in the worldwide by the experts with the experience of 23 years.

LG CNS Data Centers



Control Tower

(1) The Global Standard Operation System

- ITIL based Standard Process and Operation Management
- Quality/Productivity Improvement based on Standardization/ Automation/ Virtualization



(2) Data Center Service

- Centralized Control and Monitoring Service Globally (Korea/U.S./Europe/China)
- Co-location, Service/ Network Operation Management
- Security Control and Disaster Recovery

(3) Cloud Service

- Public Cloud: the Cloud Service for SMBs
- Private Cloud: Diagnosis, Consulting and Establishment
- Community Cloud : Hybrid Service

(4) Global Operation Capability Certification

- ISO 20000 Certification
- The World's First eSCM Level 4 Certification
- 99.999% of System Availability

Sangam Data Center

- Seismic Engineering Based on Nuclear Power Plant Standards
- Perfect Redundant Facility Targeting Finance Industry
- Korea's Best Data Center
- The Global IT Center for Remote Operation from the Overseas

Location	Mapo – Gu (District), Seoul
Est. Year	2007
GFA	14,000m ² (Dedicated Area)
Construction Feature	Exclusive Main/Spare Power Supply & Redundant Electrical Power System Cold Water Supply and Backup Pipe System by Korea District Heating Corp. Large Scaled Network Infra for Zero-Downtime Service Gasan Data



Sangam Data Center

Gasan Data Center

- Scalable/Customized IT Facility Environment (Space Flexibility according to IT Equipment Increase)
- Green IT Solution (External Air Conditioning System) Application
- Targeted to IT Corporate Clients

Location	Keumcheon – Gu (District), Seoul
Est. Year	2009
GFA	13,700m ² (Dedicated Area)
Construction Feature	Exclusive Main/Spare Power Supply & Redundant Electrical Power System Facility Room Located on the 2F to Prevent



Gasan Data Center

Incheon Data Center

- The First Expertise Data Center
- Perfect Fulfillment of Finance Information Network Safety Measure Standards
- Green IT Solution (External Air Conditioning System) Application

Location	Gueoyang – Gu (District), Incheon
Est. Year	1992
GFA	7,000m ² (Dedicated Area)
Construction Feature	Exclusive Main/Spare Power Supply & Redundant Electrical Power System Complete Replacement of Obsolete Equipments and Systems



Incheon Data Center

Thank you

Contact us

Data Center Consulting / Service Team

Prime Tower, #10-1, Sogongro 48, Jung-gu, Seoul, 100-603, Korea
datacenter@lgcns.com

#82-2-6363-5599 #82-2-6363-5156