



## IT center for digital innovation in finance

Building/transferring digital infrastructure to apply AI, blockchain and other new technologies

### Challenge

Finance companies are faced with expectations of fundamental innovation amid rapidly changing market and technological circumstances, such as new fintech businesses and services.

As this finance service provider pursues digital innovation and competitiveness in the market, the biggest challenge became innovating digital infrastructure, namely, addressing the issues of saturated data centers, outdated information system and lacking disaster recovery centers.

The customer urgently needed to utilize new technologies, including big data analysis, cloud and AI, which could serve crucial roles in designing the future for finance businesses. To this end, an IT center was required for efficient control over the extensive amount of data, full-fledged business centralization and real-time communication as well as integrated operation and management of infrastructure. The client also wanted to transfer key workloads, such as channel layers, core banking, external layers and electronic finances into the new center without any interruptions, based on close cooperation between dedicated personnel and partner companies.

**“Strategic direction: To provide differentiated customer experience and values with digital innovation in finance”**

Limited innovation  
under current system



New innovation  
needed using  
digital technologies



Digital infrastructure  
innovation to tap  
latest technologies

### SDS Cloud Service

#### Building Data centers & Cloud

Samsung SDS builds and transfers data centers most optimized for enterprise customers. Private clouds can be set up and operated in the data centers, and customized cloud services are also available with consultation.

- Diagnosis and consultation on IT infrastructure
- Data center establishment and uninterrupted transfers
- Cloud consulting and migration
- Cloud development and operation

## Solution

### Offer consultation and roadmap for IT center establishment/transfer

- Establish cloud migration roadmap based on digital innovation strategy
- Develop/conduct system failure prediction/response scenarios
- Develop/conduct system performance test scenarios

### Install and ensure development environments for new development and validation layers

- Install commercial SW on development/validation/operation layers and link internal/external environments
- Offer integration/migration by analyzing outdated systems and networks

### Redesign/enhance disaster recovery center

- Improve IT infrastructure according to changes in disaster recovery organization and outdated equipment replacement
- Enable real-time data duplication using dense wavelength division multiplexing (DWDM)

#### Samsung SDS framework for data center transfer based on pre-validation

Methodology & guidelines	Pre-test validation	Collaboration with dedicated businesses
<ul style="list-style-type: none"><li>• Upgrade commercial SW and DBMS solutions with verified methodology</li><li>• Provide guidelines on analysis/design/execution for each key stage</li></ul>	<ul style="list-style-type: none"><li>• Ensure unit/integrated testing environments for each stage</li><li>• Conduct validations based on pre-checklist and system linking tests</li></ul>	<ul style="list-style-type: none"><li>• Organize a business ecosystem and establish cooperation structure with relevant partners</li><li>• Offer technical support with dedicated teams</li></ul>

## Benefit



### Fast center transfer

- Secure service continuity
- Backup system completely prepared in case of equipment shutdown



### Higher operation efficiency

- Standardize integrated terminals for core banking and information layers
- Update overall IT resource management system



### Business scalability secured

- Secure foundation for next-generation system
- Stable/efficient IT center operation

## Contact Us



To learn more about Samsung SDS Cloud service, please send us an email at [cloud.sds@samsung.com](mailto:cloud.sds@samsung.com) or visit website [www.samsungsds.com](http://www.samsungsds.com).