

Gwangju City Hall Integrated CCTV Control Center ETERNUS Case Study.

Gwangju City Hall CCTV Control Center

Gwangju City Hall implements a new FUJITSU Storage ETERNUS DX8700 storage system to support the storage and management of 4TB, 4,200 camera CCTV system.

At a glance

Country: Republic of Korea
Industry: Local government
Founded: 1995
Website: gwangju.go.kr

Challenge

Gwangju City Hall needed a new IT infrastructure that could support the storage and retrieval of data from its network of 4,200 CCTV cameras.

Solution

Gwangju City Hall was provided with the FUJITSU Storage ETERNUS DX8700 system to ensure the best performance necessary for a robust system that can operate around the clock. The ETERNUS DX8700 system has unlimited capacity for additional data storage, and has a unique modular architecture that is flexible enough to meet the needs of a variety of businesses.

Benefit

- Development of an integrated control environment by combining individual CCTV and storage resources (DVR/NVR) into a single storage environment
- Cost-effective and flexible
- Since adopting the system in 2013, there has not been a single serious malfunction or error, assuring Gwangju City Hall of a stable system

Customer

Gwangju City Hall manages services for 1,492,000 citizens (as of 2014) across five districts and 95 wards and is located at 111 Naebang-Ro, Seo-Gu, Gwangju, Republic of Korea.

Products and Services

■ FUJITSU Storage ETERNUS DX8700

Integrated data storage for 4,200 CCTV units

Prior to the establishment of Gwangju's Integrated CCTV Control Center, the 2,044 CCTV units and storage equipment (DVR/NVR) of the police department, city hall, environmental organizations, district offices, the Ministry of Education, and other local government offices were operated independently. Integration of these units and their storage systems became a goal for local government officials and Gwangju became the first local government in South Korea to develop and build an integrated CCTV control center. Securing a high capacity, video data storage system was a key component of this system.

CCTV control centers process and store enormous amounts of video data streaming from CCTV units in real-time and play an important role in ensuring that no video data is lost. CCTV video data can be used for important business purposes or even as evidence in a criminal case. Saving this data in a stable environment is very important and was a central concern in the development of the Integrated CCTV Control Center's systems.

Support through flexible expansion and superior cost effectiveness

The number of CCTV units managed through Gwangju's Integrated CCTV Control Center continued to increase. Additionally, the resolution of video data continued to increase, requiring greater storage capacity. In 2013, Gwangju had a total of 2,044 CCTV cameras installed, but by May of 2017, this number had more than doubled to 4,200.

However, as a local government, Gwangju had significant budgetary constraints in developing and maintaining a storage system that could support their Integrated CCTV Control Center. To resolve these issues and still meet the needs of its citizens and subsidiary offices, Gwangju needed to form a strategic partnership with a system service provider. FUJITSU KOREA considered the city's position and provided solutions that lowered the financial burden of the system while maintaining the performance required.

Year-round stability and loss-free data storage

In the event of a serious malfunction or operating error at a CCTV control center, even one second of lost or unsaved data could have significant consequences in the event of a criminal investigation. This makes CCTV data storage systems of paramount importance to the effectiveness of a control center.

Gwangju's biggest problem in operating its Integrated CCTV Control Center was that, due to budget constraints, it was unable to implement a backup system from video data storage. This meant that the primary storage system had to be incredibly reliable and Gwangju set out to ensure that the system could avert complications in any situation.

In the four years since adopting the FUJITSU Storage ETERNUS DX8700 system, there have been no serious malfunctions or errors and the system has provided an impressive level of stability. Gwangju has been very satisfied with the stability of the system and even more impressed with FUJITSU KOREA's active customer and system support and maintenance. Officials say that this is one of the things that truly set FUJITSU KOREA apart from other equipment and service providers.

The FUJITSU Storage ETERNUS DX8700 system's stability and reliability is the product of FUJITSU KOREA's regular maintenance and quick response time to client requests. FUJITSU KOREA takes pride in being proactive in handling potential system errors and views its relationship with its clients as partnerships rather than simple business relationships, sharing client concerns and actively working to help the client overcome difficulties.

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