Nanjing Innovative Data Technologies,Inc.

Case Study

Company
Nanjing Innovative Data Technologies,Inc.

Industry
Government

Seagate Enables Smart City Construction in Nanjing

Smart cities have become a new way for harmonious development of urban economy, society, and nature. China in particular has adapted the construction of smart cities.

It takes a lot to plan and smoothly orchestrate a truly smart city. A case from Nanjing, the capital of China's eastern Jiangsu province, illustrates the kind of technical support that is a must.

Smart Nanjing

The ancient capital of Six Dynasties, Nanjing, has pioneered a city-level data exchange and sharing platform.

The video cloud platform is a result of collaboration between Nanjing Innovative Data Technologies, also known as cData, and Seagate Technology. The solution aids the construction and the adoption of video platforms, providing film footage and other data for governance and emergency command of public safety, transportation, and other projects.

To accomplish it, Seagate provided enterprise-class data storage and management solutions. "Seagate Exos drives are an important part of our solution to help address data storage and usage issues," says Yuan Zaikang, Procurement Director of cData. "Seagate Exos features an average MTBF of up to 2.5 million hours with stable operation in 247, which enables the drives to withstand harsh environments and frees us from worries."

For its part, cData worked with Nanjing Information Center to build Smart Nanjing—a platform enabling the transfer of massive amounts of data. A total of roughly 20,000 video channels were accessed to provide security monitoring for citizens in Nanjing.

Nanjing Innovative Data Technologies,Inc.

Video Central

The platform requires massive amounts of storage because it integrates and shares a large amount of text and image data. Among other things, Smart Nanjing makes use of existing platforms to avoid duplication of construction; hosts the Smart City and Bright Project applications; and provides 100 GB of cloud storage for each citizen.

Thanks to the real-time cloud-based transcoding technology cVideo, Smart Nanjing's video exchange cloud platform can access GIS map, 3D real-scene map, stadium models, and other municipal application systems. It seamlessly integrates them with video surveillance platforms for the purposes of the Traffic Management Bureau, Transportation Bureau, Public Security Bureau, and High Point Monitoring and Road Image Monitoring 320 Project. The platform supports access to main road monitoring services on smartphones via the My Nanjing app, with an average daily traffic of 30,000 visits.

With the intelligent app My Nanjing, people can access personalized services like the individual housing provident fund, social security, driver's licenses, appointment registration, and utilities. They can also check real-time traffic updates with apps like Bus Transit, Parking Lot, and Traffic Big Data. My Nanjing has become essential to the smart city's citizens.

For example, if one wants to travel by bus, one can check the route and the distance from your location using the Bus Transit app, which provides the door-to-door time and helps you avoid waiting on the street. Those wanting to drive can click on the orange camera icon on the Traffic Big Data app, and learn real-time road conditions.

In 2018, the Smart Nanjing Video Exchange Platform enabled access to a total of 49,288 channels of video, and the number of registered users of the cloud storage has reached 2,620,549.

Seagate is proud to enable smart cities of the future using Exos drives and serve as the trusted storage solutions partner of the government of Nanjing. The same reliability, performance, and capacity are available to other projects that rely on smartly accessing, managing, and storing data in order to optimize human potential.

Learn More

about Seagate's enterprise drives at seagate.com/enterprise-storage/exos-drives. Visit 45 Drives at 45drives.com.

seagate.com