Ministry of Economic Affairs, R.O.C.

About Customer

The Ministry of Economic Affairs (Taiwan) works to promote industrial and commercial development and international trade affairs. The Information Management Center is responsible for planning, coordinating, and developing IT and IT strategies for the MoEA. (Information Management Center will be restructured into the "Information Office" after reorganization.)
www.moea.gov.tw/Mns/english/home/English.aspx

Geo

APJ

Industry

Government

Solution Area

Accelerate Core Applications

Pure Storage® Products in Use

FlashArray//X™
Pure1®

Delivering Innovative Government Services Built on Data

Information Management Center is committed to leveraging data and providing IT services that can create a stronger economy. The demand for storage space will continue to increase due to e-government promotion, and the information center believes that power consumption and information security will become key issues in the future.

With Pure Storage FlashArray, Information Management Center optimizes its IT infrastructure with storage that improves performance, agility, and security. It also simplifies operations and reduces power consumption, helping the Center support a sustainable future.

Enhancing Resilience and Sustainability of Critical Infrastructure

As digitalization continues to expand at the Ministry of Economic Affairs (MoEA) in Taiwan, the Information Management Center is faced with the question of how to

"We strengthen the information security and resilience of data storage through Pure's native all-flash storage, building a sustainable data center."

LIN, TSUNG-REN,
DIRECTOR OF INFORMATION MANAGEMENT CENTER, MOEA

Impact on Ministry of Economic Affairs

Improves quality of citizen services with faster application response

Strengthen the resilience of data protection for government departments

Support economic efficiency and sustainability goals in Taiwan

Challenges

Enhance the power of intelligent governance and digital competitiveness

Consolidate the protection resiliency of databases and storage platforms

Embrace green transformation and develop low-carbon infrastructure

Results

Reduce power consumption by up to 84%, cabinet space by more than 99%

Reduce data storage costs and move towards sustainable development

Get always-on data protection against ransomware attacks

support the growing demand for data in limited rack space while minimizing the cost of power and data center space. It has also become a significant issue. At the same time, security is a major concern, as hackers targeting critical national infrastructure, such as water, gas, and electricity, could cause.

Laying the Foundation for Improved Public Services

With Pure Storage FlashArray//X, the Information Management Center improves speed, space cost-performance, and information security. Read/write speed accelerates from 1.5 ms to just 0.4 ms, improving application performance for government agencies.

Pure Storage delivers an excellent data reduction ratio of 3.9:1, contributing to significant space savings and energy efficiency. Storage utilization increased from 33% to 63% in the Taipei Datacenter, and from 65% to 72% in the Taichung Datacenter. Both data centers now require just 3U of rack space for data storage, consuming only 868 watts of power. This is a major saving from before, with 162U of rack space consuming 5,364 watts of power in Taipei and 52U of rack space consuming 2,564 watts of power in Taichung. Resulting in a reduction of up to 99% in storage devices rack space and 84% in power requirements.

The built-in SafeMode™ Snapshots provide a last line of defense for IT staff against ransomware, helping the Information Management Center take greater ownership of data through strict protections.

The Pure1 AIOps management platform also helps IT staff access their IT environment and proactively provides steps to prevent problems before they occur. IT managers can also easily check the equipment status remotely from a mobile phone or browser, which allows the IT team to see situations more clearly and reduce time spent working on the infrastructure, controlling the operation status of data storage services.

"By optimizing our digital infrastructure, we can improve government applications," says Li, Shuei-Tsang, Deputy Director of the Information Management Center. "With the help of Pure Storage, we're improving both government efficiency and public satisfaction."

Driving the Smart Economy in Taiwan

The Information Management Center for the MoEA strives to build an effective e-government based on innovative thinking and smart governance program.

"The Information Management Center is committed to assisting organizations in digitizing their business, promoting economic growth and business development in Taiwan," says Lin, Tsung-Ren, Director of the Information Management Center. "Pure Storage provides us with the foundation we need to move towards smart technology and environmental sustainability."