

Did You Know...

NEC played a leading role in the creation of the Earth Simulator, the world's fastest computer, capable of executing 40 trillion floating-point calculations per second.

NEC has been operating for over 100 years, since its creation in 1899, under its original name, as the Nippon Electric Company.

NEC Corporation employs over 140,000 people, in Offices and plants spanning the entire globe.

NEC is responsible for the installation & management of a major part of the Cannes film festival technical & media infrastructure.

Server Solutions



NEC's proven Server Solutions have been successfully deployed in thousands of IT environments. NEC Express5800 servers are designed to take full advantage of the latest Intel processors to deliver maximum performance. For business-critical applications, NEC servers integrate the most advanced technologies to provide maximum uptime, ensuring ever-running business. NEC Express5800 rack-optimised servers bring the best of server technology to space-conscious environments, enabling easy server connection. Our servers also come with a complete and powerful management software giving system administrators complete control and management over all NEC servers on the network.

Other NEC Case Studies include :

- **Total oil, France**
- **The Earth Simulator Project**
- **Florida Police Department, USA**
- **Flinders University, Australia**



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RIJKS MUSEUM
a m s t e r d a m

Background

The Rijksmuseum Amsterdam, has an internationally renowned collection based around the paintings of the seventeenth century Dutch Republic, the Golden Age, including works by Rembrandt and Vermeer, among others.

The Rijksmuseum is celebrated for its high quality exhibits as well as its educational resources and decor.

The museum is visited by over 1 million visitors per year and has approximately 400 employees, including 45 curators and specialists.

Business Challenge

The Rijksmuseum is planning a complete renovation of the building to create a new state of the art museum.

New facilities will enable:

- **DIGITALISATION** and **INTERACTIVITY** of the museum's collections (creation of up to 5TB of data).
- **CREATION** of an **IMAGE BANK** of 1 million pictures and collection of information online which is **EASILY ACCESSIBLE** to both staff and public.
- Experimenting with **NEW EXPERIENCES** and **SERVICES** for visitors, such as handheld devices and virtual museum.
- Building an **ICT** (Information & Communication Technology) Infrastructure to make these objectives possible.



Rijksmuseum Needed

- Easy accessibility
- Reliability
- Easy manageability
- High performance

Rijksmuseum Chose

Express5800/120Rf-2, 2U, 2x Xeon, 7x HS SCSI, PCI-X, HS PSU.

Implementation

NEC took a considerable interest in the Rijksmuseum and the project as a whole, showing enthusiasm and commitment to it. The project, worth more than **250,000 €**, resulted in the creation of a new **ICT infrastructure** and the implementation of a **SAN solution** that needed to be centrally managed.

The NEC solution was built on the following basis:

- **STORAGE SCALABILITY** - From 500GB (today) up to 5TB (x10) (in 1-2 years) and 15TB (x30) (in the long term).
- **HIGH AVAILABILITY** - No single point of failure with redundancy of all main components (cachers, power supply, fans and battery back up units).
- **EASY MANAGEABILITY** through ESMPRO Management Suite integrating a remote server management to access in any situation.
- **HIGH PERFORMANCE** and **ADVANCED ARCHITECTURE** - to cope with the large size of pictures to be managed (1 picture weighs up to 50MB).
- **CONNECTIVITY** - High speed data transfer rate.
- **3 RACKS** - Simpler management and future expandability

CUSTOMER RESPONSE



Mr. Rob Hendriks
Rijksmuseum's IT Manager

"NEC was pro-active in many ways, they used their expertise and knowledge to effectively increase the quality of our network and storage facilities".

Spotlight on Servers



EXPRESS5800/120Rf-2



EXPRESS5800/120Rf-2

NEC servers integrate the most advanced technologies to provide maximum uptime and therefore ensuring ever-running business.