



ILM Software for File Servers  
(StorageForce V2 for Tape)

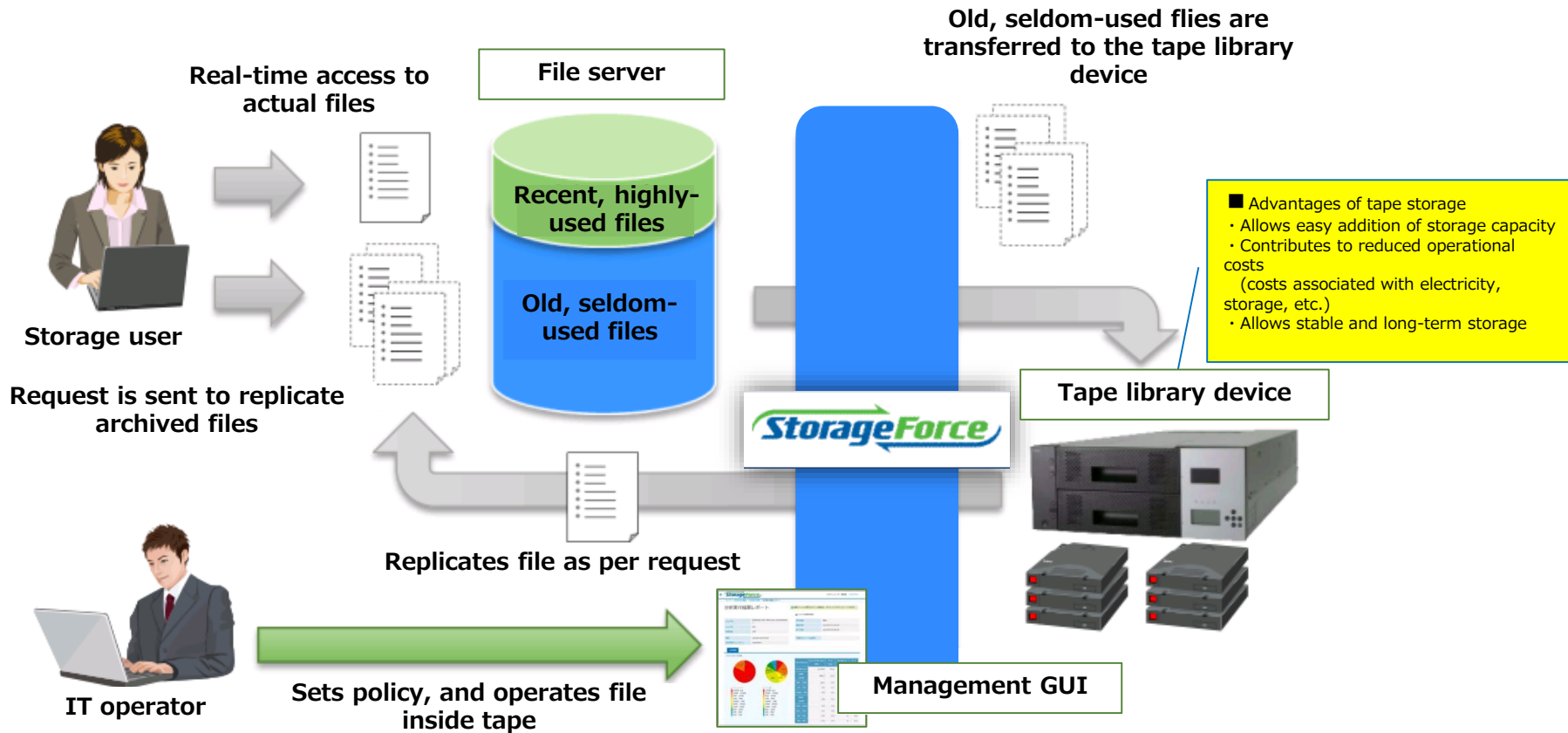
Environmental Load Evaluation Model  
NEC Solution Innovators, Ltd.

# Summary of StorageForce

StorageForce detects old, seldom-used files and automatically transfers that data to a “tape library device,” thereby improving operational efficiency of file servers. The storage GUI can be used to visualize usage information to ensure easy and optimal operation of the system.

Moreover, the introduction of the tape library device for use as secondary file storage can contribute to reducing costs related to operation, such as capital investment in additional high-speed, general purpose file servers (primary storage), and electricity costs

**(Reduced power consumption will lead to lower CO<sub>2</sub> emissions)**

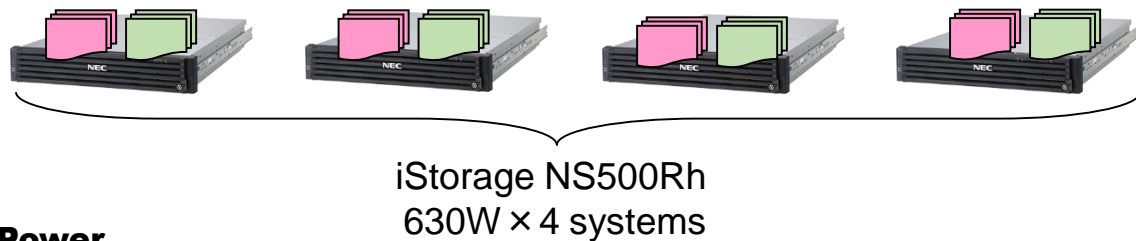


# Before introduction

Usage capacity: 386.4TB

All **systems** demand High I/O performance  
Round-the-clock operation

File server **High speed, general-use**  
(96.6TB, 4 systems)



: Recent, highly-used files  
 : Old, seldom-used files

**Power consumption**

2520W

- Mixture of “Recent, highly-used files,” and “Old, seldom-used files”
- The growing data volume calls for the need to increase high-performance storage space, resulting in increased storage costs

# After introduction

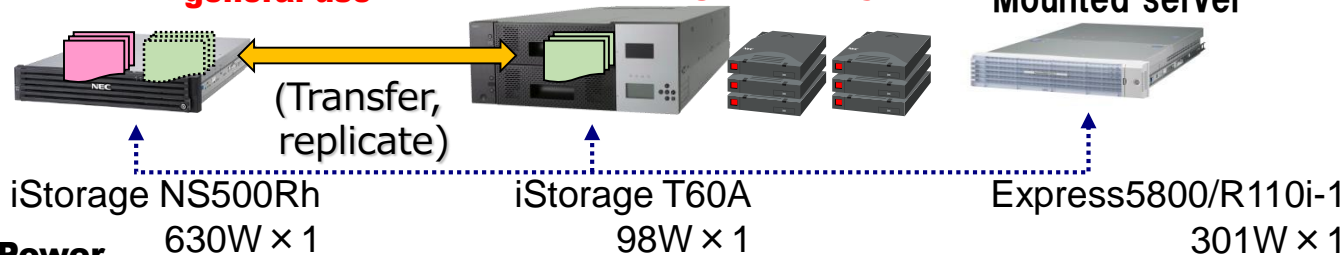
Usage capacity: 456.6TB

**File server** demand high I/O performance  
Round-the-clock operation

File server (96.6TB) **High speed, general-use**

Tape library device (360TB\*) **Low-cost, high-capacity**

StorageForce Mounted server



\* Maximum storage capacity (60 spools)

**Power consumption**

1029W

- “Old, seldom-used files” are transferred to the low-cost, high-capacity tape library device
- Improves data storage efficiency, reduces storage and power consumption costs, and enables long-term storage

The introduction of StorageForce has led to decreased power consumption, resulting in a 59% reduction in CO<sub>2</sub> emissions

