

# HP StorageWorks Cluster Extension XP electrifies and protects IT for German manufacturer

ebm-papst



**ebmpapst**

The HP StorageWorks Cluster Extension XP on Windows Itanium systems is "absolutely critical" for employees using SAP R/3, Oracle-based applications, according to ebm-papst.

**Business need:**

ebm-papst GmbH & Co. KG, a leading global manufacturer of state-of-the-art thermal management solutions for the electronics industry, wanted to improve protection of business-critical applications against system downtime by moving applications from one local cluster to a geographically dispersed cluster.

**Solution overview:**

An HP StorageWorks Cluster Extension XP enabled the company to split the cluster between two datacenters. The solution offers enhanced disaster tolerance for the company's SAP® R/3 and Oracle environment, which includes HP Integrity servers (with Itanium processors running the Microsoft® Windows® operating system) and StorageWorks systems.

**Company a fan of StorageWorks solutions**

ebm-papst, which manufactures approximately 44 million fans and sophisticated miniature electric motors each year, values innovation in all areas of its operations – including IT. The company employs an integrated SAP R/3 platform for its extensive operations, including computer-aided design and product-lifecycle-management solutions. ebm-papst also relies on a 64-bit HP Integrity rx5670 platform with Intel Itanium processors for

demanding enterprise execution tasks and a StorageWorks XP128 disk array system for applications and other storage needs.

In October 2004, ebm-papst implemented and deployed what HP believes was the first HP StorageWorks Cluster Extension XP on Windows Itanium systems in the world. Cluster Extension XP is designed to provide disaster tolerance against application downtime from fault, failure, or site disaster by extending clusters between data centers. It works seamlessly with open-system clustering software and XP storage systems to automate fail-over and fail-back between sites, continuing critical applications within minutes or seconds after an event.

ebm-papst employs the Cluster Extension software for SAP R/3 applications based on Oracle®. It implemented a "split instance" two-node cluster between two datacenters on the corporate campus in St. Georgen in southern Germany. In addition to StorageWorks Cluster Extension XP software, the environment includes Microsoft Windows Server 2003 and enterprise Microsoft Cluster Server.

HP pre-sales experts helped ebm-papst smoothly transition the local Microsoft cluster to the geographically dispersed Cluster Extension XP cluster. The company believes the new system is "absolutely critical" for more than 2,500 employees in Germany – and at a spin-off manufacturing site in Hungary.

**About ebm-papst GmbH**

ebm-papst GmbH & Co. KG ([www.ebmpapst.com](http://www.ebmpapst.com)), a world market leader, manufactures 14,500 different products and produces 44 million motors and fans each year from 15 production locations. Based in St. Georgen, Germany, the company has more than 7,000 employees in Germany and other countries.



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## Challenges

- Enhance disaster tolerance against downtime from fault, failure, or site disaster by transitioning clusters from one data center to two
- Integrate with existing IT environment, including a local Microsoft cluster

## Solution

### Hardware

- HP StorageWorks XP128 disk array storage systems
- HP Integrity rx5670 servers, each with four 1.3 GHz Intel Itanium 2 processors

### Software

- HP StorageWorks Cluster Extension XP
- Microsoft Windows Server 2003
- Enterprise Microsoft Cluster Server
- Oracle database
- SAP R/3

### HP Services

- HP EMEA pre-sales storage experts to help transition the cluster

## Results

- Improved business continuity
- Greater manageability – software detects failures and automatically manages recovery
- Seamless operability with existing IT environment

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