IS4IT Case Study

KAESER KOMPRESSOREN GmbH

AT A GLANCE

COMPANY

Company:	KAESER KOMPRESSOREN GmbH
Headquarters:	Coburg (Bavaria)
Industry:	Air-conditioning systems and equipment
Products and Services:	Manufacturer of compressors and products for compressed air technology/engineering
Employees:	4.000
Internet address:	www.kaeser.de
Project:	Falko Lameter, Director IT Organization

SUMMARY

"While renovating our IT infrastructure we were immediately convinced by the employees' comprehensive advice, logical concept and extensive know-how. As a result, the flexibility obtained by migrating to SAP systems is a big relief for us. With the backup and cloning approach, we are equipped for all imaginable requirements and even failure scenarios.

We are also very satisfied with the smooth and trustworthy cooperation. All significant agreements and objectives were met, especially as regards quality, duration and cost structures. At the same time, IS4IT has demonstrated the flexibility necessary in such projects.

At Kaeser there has never been such a challenging migration that was performed so smoothly."

Falko Lameter, Director IT Organization

PROJECT GOALS/CHALLENGES

1. Renovation of the IT infrastructure with a modern and future-oriented platform.
2. Optimum reliability and high availability.
3. Instant backup and recovery of systems with snapshots and cloning.
4. Flexible system: Fast, easy processing of ad-hoc requests (e.g. test environments) without investing in additional infrastructure.
5. Better performance with sub-second response times.
6. Standardization of the IT infrastructure in terms of cloud computing.
7. Best scaling options.

DECISION FOR IS4IT

1. Convincing advice
2. Coherent approach
3. Solid know-how of the IS4IT teams together with SAP Consulting
4. "Trust in IS4IT that the project works"
5. Many years SAP project experience as "SAP Preferred Supplier"

PRODUCTS/SOLUTIONS USED

Systems

- SAP virtualization of all productive systems on SLES 11 (Suse Linux Enterprise Server 11) with Oracle RAC (migration from HP-UX).
- Virtualization of Exchange and Windows as well as other Linux-based systems with VMware.

Storage

- Private Cloud, purely IP-based storage virtualization via NetApp Stretched MetroCluster FAS 6080 (replacing HP-EVA SAN storage).
- Use of integrated backup functionality on NetApp NearStore FAS 3160 with consistent snapshots every hour. Storage of all company data online for 30 days. Cloning any SAP systems ad hoc possible at any time.
- Efficient storage utilization through thin provisioning, de-duplication and cloning.

Server and Network

- Uniform x86 "Standard Industry Server" in blade design. Connection via redundant 10 GBit IP networks.

System Management

- Monitoring, reporting and system management of the SAP systems as well as the infrastructure via IS4IT's Proactive Management System.

BENEFITS OF THE SOLUTION IMPLEMENTED

1. Generating system cloning flexibly and individually.
2. Realizing continuous backups via snapshots.
   - System states are preserved hourly for several days.
   - High quality and efficiency: Snapshots have backup quality, reduce costs for backup solution and are an integral part of the overall NetApp solution.
3. Booting the operating system over the network.
   - No information on the local hard drive.
   - High flexibility of the server (can be used for different requirements).
4. Operating database (Oracle RAC) in parallel on multiple computers in a cluster (load balancing).
5. Synchronizing harmoniously with Oracle RAC.
6. Monitoring and managing the infrastructure and SAP systems proactively.

PARTNERS INVOLVED

SAP: General contractor responsible for the project
IS4IT (SAP Preferred Supplier): System design and migration implementation