

## IS4IT Case Study

# AVA Abfallverwertung Augsburg GmbH

### IS4IT BUSINESS AREA

#### IS4IT Enterprise Data Center

#### AT A GLANCE

Implemented highly available IT at fair SME costs successfully for AVA in Augsburg

#### COMPANY

|                               |  |
|-------------------------------|--|
| <b>Company:</b>               | AVA Abfallverwertung Augsburg GmbH                           |
| <b>Headquarters:</b>          | Augsburg   |
| <b>Industry:</b>              | Supply and disposal  |
| <b>Products and Services:</b> | Waste recycling, environmental services, energy, world       |
| <b>Employees:</b>             | 100-200 (2011: 167)  |
| <b>Internet address:</b>      | <a href="http://www.ava-augsburg.de">www.ava-augsburg.de</a> |

#### SUMMARY

“IS4IT has definitely met our expectations. From strategic advice regarding platform selection and procurement to commissioning: The project went very smoothly. The technical transition was completed within one month, during which the user was able to continue working undisturbed. The operation has been running smoothly since October 2012.

We now have a sophisticated infrastructure with which we are well positioned for the next few years – at a cost that makes economic sense for a small business like ours. With IS4IT we have found a partner with whom I am sure that recommendations are made in the customer’s interest instead of the sale being the focal point.”

*Michael Stenzel – Head of IT*

#### PROJECT GOALS/CHALLENGES

1. IT environment should provide a promising basis for the future.
2. Replace outdated server architecture with 30 servers.
3. Consolidate the server and implement a SAN environment.
4. Build a highly available environment in two data centers at commercially reasonable costs.
5. Optimize the monitoring of data centers and networks.
6. Simplify administration.
7. Achieve medium-term cost savings.

## DECISION FOR IS4IT

1. Market analysis gave best price/performance ratio compared to several competitors.
2. Holistic care by experts with in-depth market awareness.
3. Long-standing expertise specifically in the area of Novell.
4. Company with “handshake quality” – confidence in the fairness of the IT partner.

## SOLUTIONS

1. From strategic IT consulting to platform decision.
2. Design, planning, installation, implementation by IS4IT employees.
3. Construct “state-of-the-art” IT infrastructure based on high-performance ProLiant Server and Hitachi SAN.
4. Virtualize servers.
5. Implement high availability for managing emergencies in the two data centers in Augsburg.
6. Implement a comprehensive backup concept.
7. Control the entire environment with IS4IT’s Open Source-based monitoring appliance.
8. **Solution components:**
  - Storage: SAN Hitachi HUS 110
  - Server for VMware environment in two data centers: HP ProLiant DL360 R07
  - HP storage for Veeam Backup: FC HP StorageWorks X1600 G2 12TB for Veeam Backup & Replication
  - Veeam Essentials Enterprise
  - Backup: Syncsort
  - Server virtualization: VMware
  - IS4IT monitoring appliance: Based on Icinga

## BENEFITS

1. With future-oriented overall strategy, AVA has a system environment that can be expanded at any time and reflects the current state of the art.
2. Cost-effective solution with a price-performance ratio that is optimized for the needs of a SME.
3. Significantly less space requirement and power consumption by reducing the server from 15 to 3 machines.
4. Continual proactive interventions for possible weaknesses possible due to efficient monitoring solution for both data centers.
5. Automation of routine tasks in the administration area.
6. Cost savings by simplifying the administration.

## PARTNERS INVOLVED

**Hitachi Data Systems**

**HP**

**Novell Open Enterprise**

**Syncsort**

**Veeam**

**VMware**