

## German Local Government Administration adopts RAID-WORM Tape Storage for Vehicle Registration and Driver Licenses

Local government administration for the Bodensee area of Germany, Landsratsamt Bodensee, introduced a document imaging and workflow system in 1997 to streamline its operations. The Bodensee administration manages services for over 210,000 inhabitants including vehicle registration, driver licenses, welfare services, refuse collection and disposal and water management.



The Bodensee administration chose a solution from Optimal Systems GmbH. The document imaging and workflow system was first introduced for vehicle registration and then expanded into the driver license administration. It has now been further rolled out in the departments for waste management and water management.

The Optimal Systems solution has already more than paid for itself. It allows the government administration to respond much faster and more efficiently than previously when it had paper based systems.

The storage requirements for the system are met using a RAID-TAPE server solution supplied by DSM which is based on XenData Archive Series software. The server incorporates RAID and a 1.5 TB AIT tape library. Files are written simultaneously to RAID and unalterable 100 GB WORM tape cartridges within the library. File access over the network is fast because retrieval is from RAID. The WORM tape cartridges provide an audit trail allowing retrieval of all old file versions deleted files. In addition, the tapes will provide disaster recovery if ever needed. This approach delivered higher performance and substantial cost savings relative to traditional optical storage options.

Currently, the system has 275,000 data files and 463,000 scanned documents for the Vehicle Registration Department alone. This in total represents about 250 GB of data. With a tape library capacity of 1.5 TB, there is plenty of additional storage for the planned further expansion of the system.

### About XenData Archive Series Software

XenData Archive Series software manages RAID and a tape library on a server and presents these storage devices as a standard network volume accessible via NFS or CIFS.

The administrator defines policies that determine where the data is stored. The software supports both rewritable and unalterable WORM tape cartridges. In the case of WORM tape, the solution meets the compliance requirements of the most stringent regulations such as the SEC 17a-4 mandate.

This solution replaces backup, as the software automatically generates tape cartridge replicas for off-site retention and the complete system can be rapidly restored from tape.

