SCIENTIFIC NETWORK SOUTH TYROL
Secure data management and "access from anywhere" for knowledge workers and students

OVERVIEW
The Scientific Network South Tyrol was created when the data centers at the Free University of Bozen and the European Academy of Bozen (EURAC) merged. Scientific collaboration between the two institutions is encouraged by the network as a whole. This collaboration is further strengthened by a global vision, performance-oriented and innovation-driven business structures, and recognition of the importance of multi-lingualism.

BUSINESS CHALLENGE
Teaching and research proposals and projects at the Free University of Bozen and EURAC have particularly high-quality criteria and are linked to international networks. It is essential to ensure that information can be accessed quickly, flexibly, and from anywhere, and that data can be managed easily and securely.

The network's 500 TB of data is currently managed at the Scientific Network South Tyrol data center and mirrored to EURAC 500 meters away for disaster recovery. Enormous data growth and increasing numbers of students, scientists, and administrative staff—coupled with the need for flexibility and increasing involvement in international research projects—meant that the Scientific Network South Tyrol urgently required a storage solution that was simple to manage and provided quick data accessibility for users.

The Scientific Network appreciated the high quality solutions and next-generation scalability provided by the range of EMC storage products, including EMC® VNX® unified storage and EMC Atmos® Storage Platform.

The Scientific Network South Tyrol is driven by innovation; its decision to opt for EMC storage products serves to demonstrate its enthusiasm for forward-looking technology and innovative, advanced products. The impressive rate at which the EMC product range has developed and its advanced storage application options gave it the edge over its competitors. Guaranteed quality in terms of both the products (hardware and software) and services ensures that the Scientific Network South Tyrol gets maximum benefit from the products.

THE SOLUTIONS
Scientific Network South Tyrol's unique requirements led to the deployment of the first EMC Atmos cloud storage platform integrated with Oxygen cloud storage.
Results

- First EMC Atmos and Oxygen hybrid installation in Europe
- Data replication on two sites, retention guarantee data protection
- "Access from anywhere" via Oxygen Cloud user/data interface

services in Europe. Implementation of the solutions enabled the organization to achieve data protection and to ensure compliance with strict data protection legislation in Europe and Italy, which stipulates that data must be stored in an in-house data center.

The Scientific Network wanted to provide its workers with the "access from anywhere" system, an advanced work model, with flexible working hours and workstations, which makes it easier to meet the personal needs of Scientific Network knowledge workers. By aiming for a better work/life balance, the "access from anywhere" system thereby improves the quality of life away from the workplace.

Flexibility and mobility are of paramount importance for scientific work. The possibility of being able to provide access to data from anywhere facilitates work processes and increases performance and output.

The subject of collaboration is also important to Scientific Network South Tyrol in this respect. Continued growth in international projects characterized by many research partners means that a solution at the highest possible user level is essential, so that files can be exchanged within the various project groups.

“Working on international research projects demands solutions that can guarantee scientific exchange at the highest possible level; this work is scalable and ensures that we have growth capabilities on reasonable terms.”

Dr. Dietmar Laner
IT Manager at the Scientific Network South Tyrol

Implementation of the EMC Atmos and integrated Oxygen cloud service solution has led to permanent improvements in communication, work processes, and document management. The solution is easy for users to administer and is the ideal solution for international scientific projects.

To provide high availability and scale-up performance, the Network uses SAN-attached EMC VNX unified storage for its virtualization infrastructure. To enable scale-out object storage that is active-active across both sites, the data from Oxygen Cloud is stored in the Atmos Cloud Storage platform. This integration ensures relevant services are still available if there is a failure at one of the data centers.

“First-class collaboration between EMC and its channel partner Atos has created ideal working conditions and a high level of customer satisfaction. The Scientific Network South Tyrol relies on just one contact, from delivery to the full range of services.”

Klaus Grausgruber
Director, Sales Region West, Atos
OUTLOOK
Optimum scalability, flexibility for students, scientists, and knowledge workers, and data security at the highest possible level add a forward-looking dimension to work processes. Operator and user-friendliness is what is important in internal and external communication, scientific and administrative work processes, document management, and information exchange.

The Scientific Network South Tyrol really values the first-class customer service it receives from EMC Austria and in particular the comprehensive support provided for hardware, software, and general services. EMC Austria’s innovative storage solutions are also set to meet such demands in the future.

CONTACT US
To learn more about how EMC products, services, and solutions can help solve your business and IT challenges, contact your local representative or authorized reseller—or visit us at www.EMC.com.