

DAMOVO

UNDERSTAND. DELIVER. IMPROVE.

BREMEN UNIVERSITY GOES FOR A DAMOVO IP TELEPHONY SOLUTION

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THE UNIVERSITY OF BREMEN



Industry:
Public Service

Region:
Germany

www.uni-bremen.de

About the University of Bremen

Known as the "Wonder of the Weser", the university enjoyed significant press coverage during the Excellence Initiative of 2006, when two graduate schools, the "Bremen International Graduate School of Social Sciences" (BIGSSS) and the marine school for graduates known as "Global Change in the Marine Realm" (GLOMAR) were established.

Funding was also secured for the excellence cluster "The Ocean in the Earth System - MARUM". The University of Bremen can justifiably be proud of its three centres of excellence. More than 100 courses of study leading to a variety of qualifications are offered across 12 faculties.

Understand

As it is standard practice in the public sector, an official invitation to tender was issued, in the first instance for the initial implementation cluster. The successful bid was Damovo's. Our proposal put forward a complete and coherent overall concept which focused particularly on the need for "soft" migration and the accompanying integrated process for the gradual phasing out of the existing ISDN technology. The design of the new IP telephony system prioritised high availability, secure communication protocols and the flexible scalability of the IP telephony environment. Prior to the tender being awarded, several weeks of testing took place, during which the University of Bremen trialled and assessed solutions offered by various manufacturers by running test scenarios to simulate real applications.

Deliver

The new solution is based on Cisco Call Manager. One of its major aims is to standardise and optimise the technical infrastructure as well as to consolidate physical communication networks for all communication services (voice, data, video). The university currently uses a conventional Ericsson MD110 telephone system. During the first phase of the migration process, two IP telephony clusters were installed with Cisco Call Manager to provide telecommunication services to approximately 1,000 members of the university. These were accompanied by new terminals including IP conference telephones.

A special feature is an integrated switch-board serving both the existing TC system and the new IP system simultaneously. Its operation is server-based and it functions as an internal call centre running central administration functions for the VoIP system. Damovo also installed active network components facilitating the integration of the IP telephony system into the university system.

Improve

The University of Bremen is expecting that in addition to providing new voice communication services, its new IP telephony system, with its basis in open

IP standards, will significantly reduce TC running costs. The first VoIP cluster providing voice communication services to approximately 1,000 members of the university is now in place. By the end of the project, more than 5,000 members of the university will be connected to the IP solution, and the old TC system will have been completely replaced.

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Dr. Martin Mehrtens,
Chancellor of the University of Bremen

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