

# Uppsala University



## CUSTOMER BENEFITS

- Optimal research and learning environment
- Implemented energy-saving technology
- Ability to minimize operational costs without compromising indoor environment
- Flexible design and easy integration with third-party applications
- User-friendly, real-time monitoring of multiple buildings from one location
- Adaptability for future growth

## PROJECT AT A GLANCE

Project Type:

Building Management System

Location:

Uppsala, Sweden



Uppsala University in central Sweden was founded in 1477 and is the oldest university in the Nordic region. Its reputation for education and research is renowned throughout the world. With over 40,000 students, the university's faculty and campus buildings need constant redevelopment to keep pace with an ever-expanding population. When the property management company, Akademiska Hus, planned to convert the Kemikum campus into a modern research center, it chose a TAC® building management solution.

Akademiska Hus owns and manages most of the buildings and premises used by universities and colleges in Sweden. Its business mission is to provide attractive, modern environments for study and research.

TAC has collaborated with Akademiska Hus on several Building Management System projects. Because of this established working partnership, Akademiska Hus selected TAC as leading supplier for the proposed Uppsala University project. TAC representatives were invited to join the main project group comprised of major university sponsors and Akademiska Hus management. Such early involvement enabled TAC to create the optimal building management solution and keep renovation costs to a minimum.

### The Challenge

Kemikum has grown by at least one new building every decade since 1900. The result is a campus with a variety of different building styles and construction materials. Many of the buildings are also listed on Sweden's historic preservation register, a fact that calls for extremely careful and precise installation planning.

TAC's main task was to create a 35,000m<sup>2</sup> research center spread across a seven-building complex. This new center will eventually house several departments from the Faculties of Arts, Theology and Social Sciences. The Building Management System would need to take into account the various functionality requirements for classrooms, laboratories and offices.

### The Solution

The TAC project team installed a TAC Vista™ presentation system supported by other LONWORKS® subsystem solutions to monitor and control air quality, indoor temperature and ventilation.

This combination ensures a flexible design and high levels of functionality for easy integration of third-party LONMARK®-certified applications and unrivaled occupant comfort. Other added system performance features include TAC Vista Workstations to allow maintenance staff to quickly generate reports for things like energy usage, or assess the status of any of the seven buildings and control individual functions with a click of the mouse.

### The Bottom Line

Kemikum possess an advanced Building IT Management System that provides the optimal research and learning environment while enabling the university to minimize costs and plan for future expansion. Because this solution has been successful, Akademiska Hus is also considering TAC for a new onsite university auditorium.



### EDUCATION PROFILE

Students have high expectations when they select a college or university. They require a quality education and campus experience at a reasonable cost. State-of-the-art facilities, safety and security are of primary concern. In order to meet rising expectations within this cost-sensitive market, colleges and universities must invest wisely in their facilities as a strategic asset to recruit students and attract faculty and staff.

TAC has proven experience in working with higher educational facilities to take advantage of building management solutions that maximize energy efficiency and performance. This leads to a reduction in operating costs and enables the reallocation of saved resources to new programs for students within the same budget.

On October 1st, 2009, TAC became the Buildings Business of its parent company Schneider Electric. This document reflects the visual identity of Schneider Electric, however there remains references to TAC as a corporate brand in the body copy. As each document is updated, the body copy will be changed to reflect appropriate corporate brand changes. All brand names, trademarks and registered marks are the property of their respective owners.

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