

Police Training Institute



CUSTOMER BENEFITS

- User-friendly and reliable building management system encompassing 16 buildings
- Seamless integration with third-party devices
- Flexibility for future changes and upgrades
- Annual energy savings of up to 25%

PROJECT AT A GLANCE

Location:

Münster, Germany

Project Type:

Building Management System, Energy, Integration

Number of Buildings:

16

Equipment Installed:

Xenta Controllers, TAC Vista 2000 Servers

Network:

LONWORKS®

Applications:

Heating, Air Conditioning, Climate, Energy Management

TAC Partner:

HGI mbH



Today's modern police forces are multi-disciplined organizations. To remain effective, officers must frequently attend educational courses.

A police-training institute in Germany sought to minimize its operational costs by installing a LONWORKS® Building Management System at its facility. Thanks partly to TAC's Xenta™ controllers and TAC Vista™ 2000 servers, it has significantly reduced its energy costs and maintained operational efficiency.

The police-training institute (Polizei Fortbildungs Institut - PFI) in Münster, Germany, arranges a wide range of courses to help police officers perform their daily duties more effectively. PFI's seminars include stress management, evasive driving techniques and self-defense skills. The campus is a busy, intense environment and the education it provides is second to none.

PFI management had serious concerns about the rising costs of running the academy and the lack of planning for future building infrastructure requirements. Luckily, as part of a far-reaching regional government redevelopment program called "Energy Management Based on Data-Processing for Buildings in North Rhine-Westphalia", PFI was given the opportunity and the financial resources to tackle both problems head on. TAC® Germany's long-term partner HGI, Heger Gebäudeautomation Ingenieurgesellschaft mbH (www.hgi.de), provided the right solution.

GOVERNMENT PROFILE

For government facilities, a building solution that delivers energy efficiency, comfort and security is critical and necessary. TAC's proven solutions and reliable service provide government officials with a controlled, dependable indoor environment backed by savings that help protect the investment of taxpayers.

TAC has proven experience in working with government agencies to take advantage of building management solutions that maximize energy efficiency and performance. This is all part of Building IT solutions for government facilities – designed for economy, operational efficiency and the flexibility to address future needs.



These were complemented by TAC Vista™ 2000 Servers that allow both on-site and remote access to user-friendly graphic presentation of all building systems. The Building Management System also enables automatic alarm notification via fax, email, or SMS, trend logging and historical data compilation. More importantly, the LONWORKS® network is adaptable for future upgrades and expansions.

The Challenge

PFI wanted a property-wide, energy management system across sixteen campus buildings and open communication technology that would unify numerous third-party vendor devices in order to yield significant financial benefits and provide extensive flexibility for future changes and upgrades. The system also had to be robust, reliable and simple to operate without compromising the benefits offered by multi-system interoperability.

The Solution

The sixteen buildings on PFI's campus were connected by means of a fiber-optic LONWORKS® network. This created a virtual network interface to facilitate communication with all integrated devices. The Internet router also functions as an Internet server, permitting operators to access the system using a standard web browser from any online computer. TAC supplied its award-winning TAC Xenta™ controllers, installed by HGI, to regulate all HVAC devices at the site.

The Bottom Line

TAC Vista 2000 server software provides users with real-time data from all system-integrated devices thus becoming an invaluable information resource for confident decision-making regarding facility management issues. Other features like automatic report generation and alarm notification for energy-related faults, such as unusually high usage or temperature values exceeding predefined limits, help to guarantee long-term energy savings of up to 25 percent.

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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