

# COMFORT CONTROLS CASE STUDY

## SCHLÜTER SYSTEMS—NEW TRAINING CENTRE - BARDON 22, COALVILLE

**Comfort Controls chosen by Schlüter Systems for the expansion of their Coalville based UK Headquarters, with the development of a new UK Training Centre.**

Steve Barham, Comfort Controls Business Development Manager, highlighted that 'This is an especially exciting scheme for Comfort Controls, as the key element of the development will be the innovative BMS control of the underfloor heating system, which interestingly, the unique flooring system is manufactured and supplied by Schlüter Systems themselves,

We are therefore privileged to be selected and trusted to provide this key element of the project.'

Our design and pre award presentation to Schlüter Systems Managing Director, Joachim Backes and Head of Technical and Training, Ian Knifton, included our plans to develop a special graphical user interface to **showcase** the performance of the Schlüter based underfloor ceramic tile flooring system.

Our BMS system will offer Schlüter Systems with a powerful sales and training presentation facility as well as performing the actual environmental control of the building.



The new Training Centre will be provided with a **TREND** Building Energy management system, incorporating novel methods of providing a wealth of **building performance management data**, to operate the facility in the most energy efficient manner and **reducing Schlüter's carbon footprint** for the local Coalville community.

One of the innovative solutions of the project includes the clever interface with Schlüter Systems own under floor heating system. Whilst Schlüter have their own local underfloor heating manifold network controller stations and networked air and floor temperature sensors, Comfort Controls are working with Schlüter to provide a high level Modbus/IP interface to pull all the system information onto the **TREND** Workstation graphical user interface and to interact in an energy efficient manner with the other ventilation heating and cooling systems in the building.



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Comfort Controls has been providing quality, cost-effective building control and energy management /monitoring solutions since 1984, serving a multitude of market sectors including healthcare, universities, schools, retail, industrial manufacturing and leisure. Comfort Controls' primary objective is to *'create energy efficient buildings that are safe, sustainable and beneficial to the occupants.'*

Unlike many other Building Management Systems (BMS) companies, Comfort Controls provides a complete inhouse service from start to finish; from specification, through to the engineering and design of the system, manufacture of control panels in our own purpose built workshops, electrical installation, programming and commissioning, as well as offering post installation service and maintenance. Comfort Controls has a wealth of knowledge with new and legacy control systems from the market leading manufacturers including Trend and Schneider Electric

Comfort Controls is an approved *Trend* Technology Centre partner, an Elite partner for *Schneider Electric* and business partner for *Siemens*. We have a proven track record, with 30 years of experience with installing and maintaining building management systems and products. Comfort Controls aims to strengthen and develop the relationship with existing and new customers through this new venture by offering a competitive and best in class engineering and customer experience.

For more information on Comfort Controls please visit [www.comfortcontrols.co.uk](http://www.comfortcontrols.co.uk), email [stevebarham@comfortcontrols.co.uk](mailto:stevebarham@comfortcontrols.co.uk) or call 01332 856960.

### **Project Title**

Schlüter Systems - New Training Centre

### **Project Address**

Schlüter Systems Limited  
Bardon 22  
Coalville  
Leicestershire  
LE67 1TE

### **Consulting Engineer**

Couch Perry Wilkes—Nottingham

### **M&E Contractor**

Highcross Building Services—Leicester

### **Project Type**

Trend Building Management System c/w Modbus/IP and BACnet/IP Integration.

### **Applications.**

Gas Fired Heating and Hot Water Systems.  
5 No. Networked Manifold Controllers.  
20 No. Underfloor Heating Zones.  
40 No. Networked Sensors.  
10 No. Mitsubishi Indoor Unit System c/w AG150 BACnet/IP Interface.

### **Total Points**

50 No. Hardwired Input/Output Points  
450 No. Underfloor Modbus/IP Points  
150 No. Mitsubishi BACnet/IP Points

