

COMFORT CONTROLS CASE STUDY

UNIVERSITY OF NOTTINGHAM—JUBILEE CAMPUS FITNESS SUITE

Comfort Controls have recently been specifically selected by the University of Nottingham to project manage and deliver a Schneider Electric Continuum BMS system for their all new Nottingham Jubilee Campus Fitness Suite, in a short delivery timescale.



Building Controls Company **Comfort Controls** is pleased to announce that they have recently ‘handed over the keys’ of a **Schneider Andover Continuum™** Building Management system for a new 100-station gym for the University of Nottingham. This exciting new 500m² facility offers a functional training centre and spin studio with an extensive range of the latest spec fitness equipment and entertainment options.

Based on the knowledge of our proactive management style, coupled with our ‘Can do’ attitude, **Comfort Controls** were approached directly by the University to discuss the delivery of the project. The project had a requirement for an immediate start and project management skills to complete in half the time of a typical BMS project installation period.



On Time - On Budget

Through our experienced sales and project delivery team, we were able to deliver the project in record time, to a high quality standard and receiving various accolades from the construction team and University Estate Office.

Following the completion of the project, Richard Wigginton, Senior Capital Projects Officer at the University contacted us and commented ‘*Thanks for your efforts on this project, everyone involved seems to be very pleased.*’

On the award of the project, Steve Barham, Business Development Manager for Comfort Controls revealed,

“After years of focused key account management and customer service in the pursuit of ‘Exceeding the Customers Expectations’ in the industry, it was a complement for Comfort Controls to be approached, chosen and trusted by the University to deliver the Continuum based BMS system, including connection onto their multimillion pound campus site wide IP based Building Energy Management System.”

COMFORT CONTROLS CASE STUDY

UNIVERSITY OF NOTTINGHAM—JUBILEE CAMPUS FITNESS SUITE

Tech Corner

Gavin Street – Project Manager

With all the hard effort and strain that we put out bodies through in the gym, you can imagine the additional heat that 100 active gym users radiate within the environment.

The primary contaminant in this case is bio-effluents produced by occupants with a high rate of metabolism. The

temperature in a gymnasium should be maintained between 18°C and 20°C with at least four to six air changes per hour.

The type of ventilation systems installed at the new Jubilee Campus Fitness Suite to provide these high levels of air change, utilise the latest in **free heating and**

cooling heat recovery units.

These units use plate heat exchangers so that they recover the free heat or coolth from the extracted air, to pre heat/cool the incoming air from outside, saving on utilising additional expensive heating and cooling energy resources.

Whilst this system works well in the winter period due to the sensible and latent heat gains from the equipment, TV screens and gym user activity, in summer, additional cooling is required, which is provided by a system of ceiling mounted DX cooling fan systems.

The clever part comes in with the novel way the **Andover Continuum™** system has been designed and installed to interact and control the speed and operation of the heat recovery units and DX units, to maximise the free heating/cooling from the gym to minimise energy usage for the University.



The excellent new facility will feature cutting-edge equipment:

- 45 top-of-the-range CV machines, including treadmills, upright and recumbent cycles, cross trainers, rowers, stair mills and Power Plates
- Large free weight area, including integrated lifting platforms and an extensive range of professional standard equipment
- Resistance equipment with electronic rep counter and enhanced biomechanics to provide a natural feel and smooth workout experience
- Functional training centre including power pivots, boxing bags, battle ropes, cable stations and rebounders.

COMFORT CONTROLS CASE STUDY

UNIVERSITY OF NOTTINGHAM—JUBILEE CAMPUS FITNESS SUITE

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, email stevebarham@comfortcontrols.co.uk or call 01332 856960.

Client / Project Title

University of Nottingham
Jubilee Campus Fitness Suite

Project Address

The University of Nottingham
Innovation Park
Jubilee Campus
Triumph Road
Nottingham
NG7 2TU

Quantity Surveyor

Gaskell

Main Contractor

Robert Woodhead

M&E Contractor

Higgs Building Services

Project Type

Schneider Electric Continuum Building Management System c/w Connection to site wide campus system.

Applications.

Heat recovery ventilation systems.
Toshiba VRF Cooling Systems.