

Building Controls Air System Applications

Summary

For anyone who is new to Building and Heating and Ventilation controls, this course serves to give the delegate a good grounding in this area of engineering. The course begins with an introduction to building control systems by asking a simple question 'Why do we control'? Then we take a journey into the makeup of a BEMS or Building Energy Management System describing the basic system makeup and the devices. Then we discover Air Systems and their system components and applications. During this course delegates have an opportunity to design an air system application in order to reinforce their understanding.

Target Audience

This program is suitable for anyone who is new to the world of Heating and Ventilation applications and control systems. Its ideal for those who are making a transition from an electrical or mechanical engineering background.

In the past this course has also been a great introduction for 'non technical' people who may be venturing into a sales role or a bureau operator role. (contact us for more information)

Prerequisites

Engineering knowledge is an advantage but not essential.

Objectives

- Introduce participants to the world of Building Control Systems.
- Give participants an understanding of control system basics and terminology.
- Enable participants to understand what a Building Energy Management System is.
- Study the main areas of system controls using Air System Applications.

Key Learning Take-Aways

- Participants will be able to explain what a control system is used for in Buildings
- Delegates will be able to understand the basic applications used in Air systems. Participants will be able to explain typical applications such as Constant Air Temperature Systems, Full Air Conditioning Systems with Heat Recovery, Humidification and Dehumidification, VAV Variable Air Volume and basic Refrigeration Systems.

Course Duration

This course is a 1 Day, instructor-led, classroom-delivered workshop.