

BUILDING AUTOMATION SYSTEM

COMFORI SDN BHD

Objectives:

- Develop a working knowledge of BAS Systems.
- Differentiate between the different types of BAS Systems.
- Understand better the design, construction, operations and maintenance requirements of BAS Systems.
- Implement strategies and methodologies to create an effective BAS maintenance programme.
- Enhance their knowledge and skills to identify and address operational problems at all levels.
- Implement mechanisms to measure performance at all levels.
- Establish an effective maintenance team.

Overview:

A Building Automation System (BAS) is an example of a Distributed Control System. Building Automation describes the functionality provided by the control system. The control system is a computerized, intelligent network of electronic devices, designed to monitor and control the mechanical and lighting systems in a building. BAS core functionality keeps the building climate within a specified range, provides lighting based on an occupancy schedule, and monitors system performance and device failures and provides email and/or text notifications to building engineering staff. The BAS functionality reduces building energy and maintenance costs when compared to a non-controlled building. A building controlled by a BAS is often referred to as an intelligent building system.

Modules:

Module 1: Introduction

Module 2: Infrastructure - Part 1

Module 3: Infrastructure - Part 2

Module 4: Infrastructure - Part 3

Module 5: Control Engineering

Module 6: Control Systems

Module 7: Case Study 1

Module 8: Case Study 2

Module 9: Case Study 3