



Building Management System

A Building management system (BMS) is a computer-based system installed in buildings to control and monitor mechanical & electrical plants, including, HVAC heating, ventilation, air conditioning, lighting, power systems, fire system and security systems.



The major subsystems controlled by the BMS are

HVAC System

The duct temperature, pressure, and humidity, as well as exhaust temperature are connected to the BMS, and if their value exceeds defined limits, an alarm is generated.

Central Fume Collection

Laminar Flow Units, Dust Collection System, Central Vacuum System, Heat blowers. The BMS monitors the performance of these systems, allowing for early identification of unit requiring maintenance. Sudden breakdown would signal via alarms and then it appropriate action can be taken to protect the product.

Electrical Monitoring System

BMS may monitor consumed electrical power.

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Technical Steam System

Should, for instance, the pressure or temperature in the piping system fall below the defined regulatory values for clean steam, the BMS shall trigger an alarm, indicating a threat to product quality.

Hot Water System and Central Heating

Temperature and pump control monitoring via the BMS allows for a proper functioning of hot water distribution through the facility.

Its basic functions include:

- >> Providing information on supervised building function including, but not limited to, current status archived historical information, display, summaries, analysis, reports on control, management functions.
- >> Detecting, annunciating, and managing alarm and other conditions

These systems typically display the following responses on an operator's workstation:

- > Alarm summary
- > Event summary
- > Holiday assignment
- > History assignment

Benifits of BMS

> It protects your most costly equipment by allowing you to keep close tabs on it and ensure it functions properly.

> It simplifies the management of your facility making it easy to access and control any area of your building's operations.

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