

BMS Software

The t-mac Building Management System (BMS) software platform offers businesses an interactive window into the operation of their buildings. t-mac's BMS software enables users to implement, amend and manage control strategies on a wide portfolio of sites from a single touch of a button.



t-mac's BMS Software allows a portfolio of sites control strategies to be commissioned and managed quickly and with ease. The system utilises site groupings to enable similar sites to be controlled with the same strategy, greatly reducing the time involved in the management of control strategies for each site.

Accessing site information, energy management data and control strategies through a web-based software suite, the t-mac BMS is versatile, easy to use and remotely configurable.

The BMS software provides functionality to:

- Implement and manage control strategies across a portfolio of sites.
- Categorise sites into logical groups to allow multi-site updates to be implemented at the click of a button.
- Create exceptions and overrides for one-off and recurring events/situations.
- Configure one or many t-mac units to one site, ensuring any changes are automatically applied to the correct t-mac unit.
- Allows site configurations and business hours to be imported in bulk from CSV file.
- Have an effective graphical user interface between you and your building.
- Access integrated help and feedback.

Configuration

t-mac's BMS software enables users to implement, amend and manage control strategies on a diverse portfolio of sites from a single touch of a button. Removing the requirement and time intensity of manually amending time-clocks or changing control tasks on a site by site basis.

The system uses:

- **Categories** to group similar sites by size, geographical region or building type for shared control strategies
- **Zones** to allow control strategies to be applied to sub-sections of a building
- **Time clocks**
 - a. Offset – to control relative to business hours
 - b. Fixed – to control against fixed times
- **Overrides** to allow systems to be removed from standard control
- **Exceptions** to cater for closure days or out of the norm control
- **Systems** to allow equipment from many suppliers to be controlled by t-macs hardware on site using a common user interface

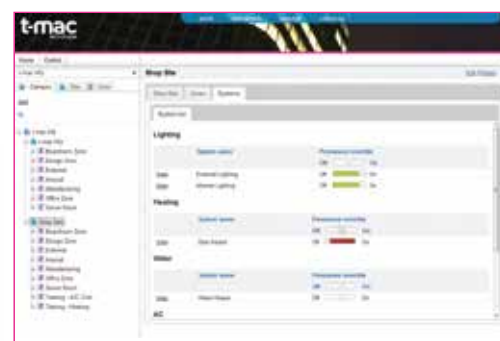
Site Selection

- All sites are presented as a tree view and map view display for easy navigation
- Map pins are coloured to show the current status of the site
- Pins or tree icons can be selected to view the site configuration



Site Configuration

- Business hours are applied to each site
- Control can be applied as offsets from business hours
- The user interface allows quick and easy changes to be made

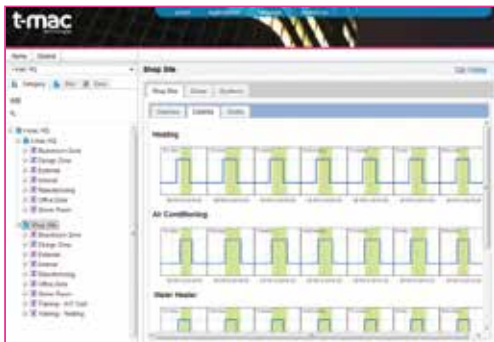


System Overrides

- Overrides can be configured to force the system on or off
- This feature is useful when testing equipment on site

Control strategies

t-mac's BMS software can react to changing operation/opening hours or for example, the implementation of bank-holiday closures. The software provides the facility for users to group multiple sites into categories and apply control strategy changes and processes to numerous buildings at once, in one easy step, at the touch of a button.



Site Control Overview

- Graphical representations of each site provide quick and simple visibility of the sites control strategies



Control Strategy Configuration

Control strategies are configured in 6 simple steps:

1. Categories and Zones
2. Time clock as fixed times, or offsets from site operational hours
3. Optimum start/stop for heating and cooling
4. Set points and dead band for heating and cooling
5. Fan speed and angle for heating and cooling
6. Manual override switch timer



Control strategies

The t-mac BMS software platform is versatile, easy to use and remotely configurable. Aligned with t-mac's Energy Analysis Software, users who are metering with t-mac can see how control changes made affect energy consumption.



Conclusion

The t-mac BMS software platform forms a crucial part to the management of multiple buildings, worldwide. Designed with the end user in mind, the system provides a graphical interface into the world of BMS control and strategy formation.

Clicking on the heating, lighting, air conditioning or refrigeration icon, users are instantly provided with an interface to manage, amend and define

control tasks according to time of day, day of week, set-points, temperature and lux levels to name but a few.

The interactive software platform can show a graph of the current heating controls strategy. At the touch of a button users can then change the controls strategy for all BMS applications i.e. heating, lighting, air conditioning across one or many t-mac units.

To find out how t-mac can help your business please contact us:

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