

Why choose Metasys?

Metasys has been labelled as the “World’s Smartest Building Management System”.

Developed by Johnson Controls who is the industry leader, internationally in Building Management Systems and controls. With international support and development available we can ensure our customers use not only the latest technology, but also the most reliable and energy efficient software and controls.

The user experience provided by Metasys can evolve and scale to match the needs of any facility, from single buildings to multiple buildings.

The purpose of the Metasys System allowed for is to ensure seamless integration between the various systems within the building.

Metasys is configured to ensure that the building operates efficiently and at optimal conditions.

Metasys has the following features and capabilities:

- 1) Advanced Automated Reporting
 - a) Reports will be generated at scheduled intervals and emailed to the relevant departments.
 - b) Contents of the customized report will be confirmed by the Client prior to implementation.
 - c) These reports will contain a combination of information such as:
 - a) Energy Consumption – Electrical and Water
 - b) Information required for billing purposes
 - c) History of usage time for meeting rooms
 - d) Running times of equipment to determine maintenance intervals.
 - e) Alarm history.
 - f) User activity history.
- 2) Mobile user interface for all authorised users to access the system based on the priority levels set out by the client.
- 3) Trending of the following:
 - a) Energy usage
 - b) Electrical Consumption
 - c) Water Consumption
 - d) Building Occupancy
- 4) Data storage and exporting for billing purposes
- 5) Energy Management to reduce energy consumption and associated costs
- 6) Alarming for critical items
- 7) Alarming and reporting for preventative maintenance purposes rather than reactive maintenance such as:
 - 1) Cleaning of Filters
 - 2) Servicing of generators
 - 3) Servicing of pumps
- 8) Scheduling for all connected systems and meeting rooms
- 9) Provide a high level interface to connect all standalone systems into 1 interface.



Time Management

The time and date used by all devices connected to a site are synchronized automatically, preventing errors from manual time entry and clocks that become inaccurate over time.

Network-wide time management ensures that scheduling, trending, audit trailing, data collecting, time-stamping of alarms, and other functions requiring accurate time management use the same time and date consistently for all system operations.

Alarm and Event Management

The alarm and event feature provides event management for the system and allows you to configure the routing of event messages to destinations such as the server for permanent storage. The Metasys Site Management Portal UI features a pop-up alarms window, which alerts the operator to potential problems whenever the operator is logged in to the system; and an event viewer, which provides for greater analysis or a history of alarms and events in the system.

Scheduling

Scheduling provides a graphical user interface that illustrates when events are scheduled to occur. Scheduling automates routine functions, such as transferring a room from occupied mode to unoccupied mode for heating and cooling needs, and energy optimization.

Monitoring and Commanding

Monitoring and commanding allows you to efficiently navigate through items associated with your building operations as well as view, analyse, and modify these items.

Use these features to:

- access, view, and modify item data
- send commands to items
- run reports to analyse item information

Historical Data Management (Trend)

The Metasys Historical Data Management capability allows you to collect, store, and view historical samples of object data. With the information generated by this feature, you can manage energy usage, prove compliance to standards, and diagnose problems in your facility.

Demand Limiting and Load Rolling

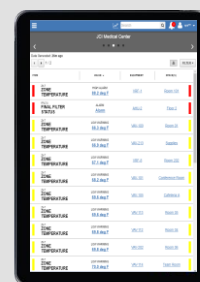
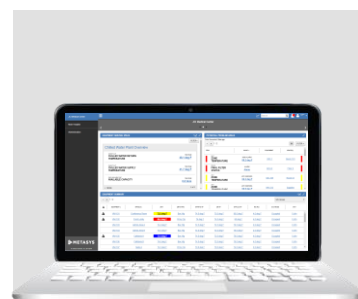
The Demand Limiting (DL) feature reduces utility bills by limiting peak energy usage.

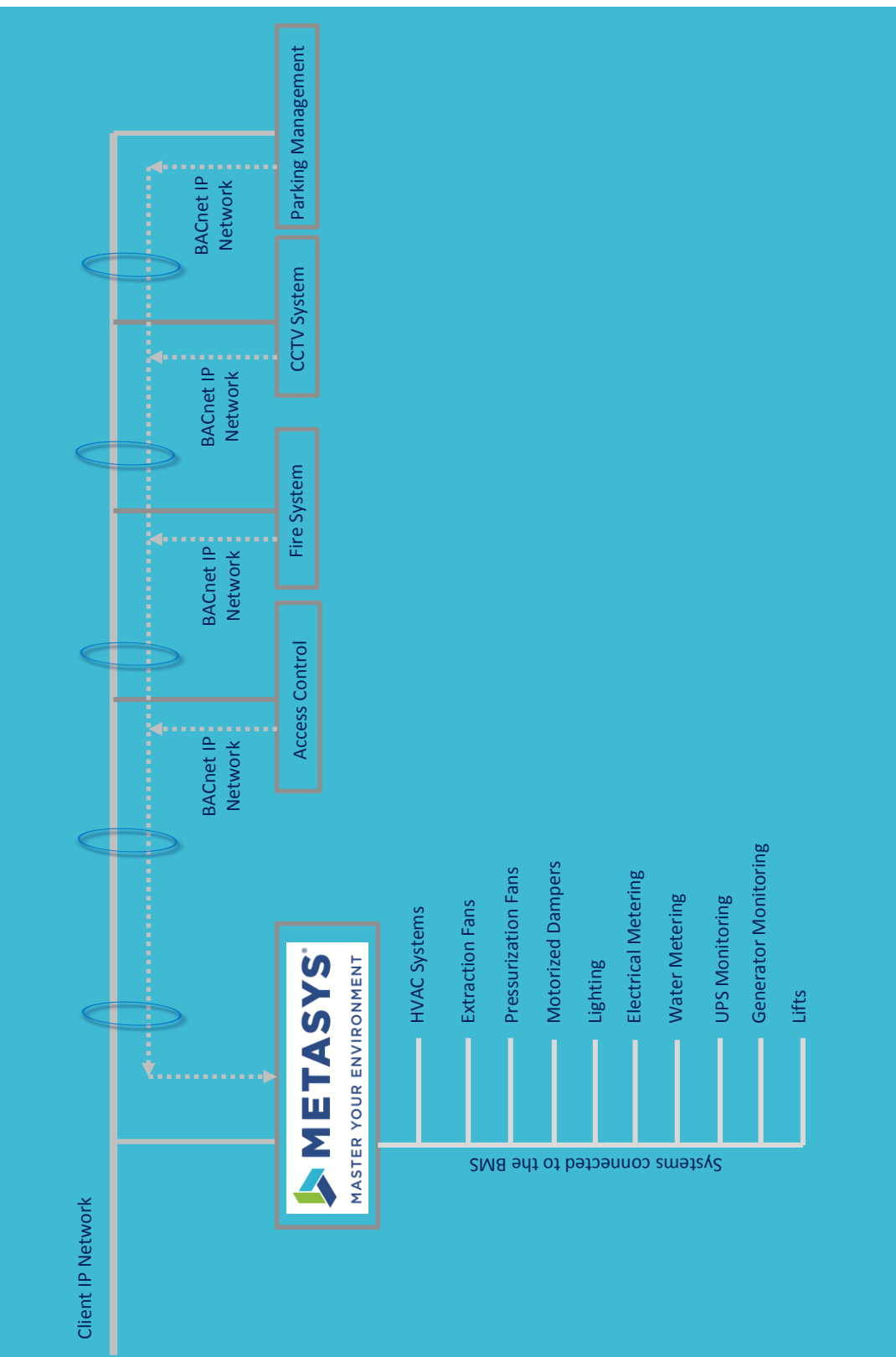
DL electively turns off (sheds) equipment, such as fans and lights, or adjusts setpoints to limit energy use during peak times.

The Load Rolling (LR) feature helps save money by reducing overall energy consumption. LR acts continuously to maintain a specified energy reduction by shedding unnecessary loads.

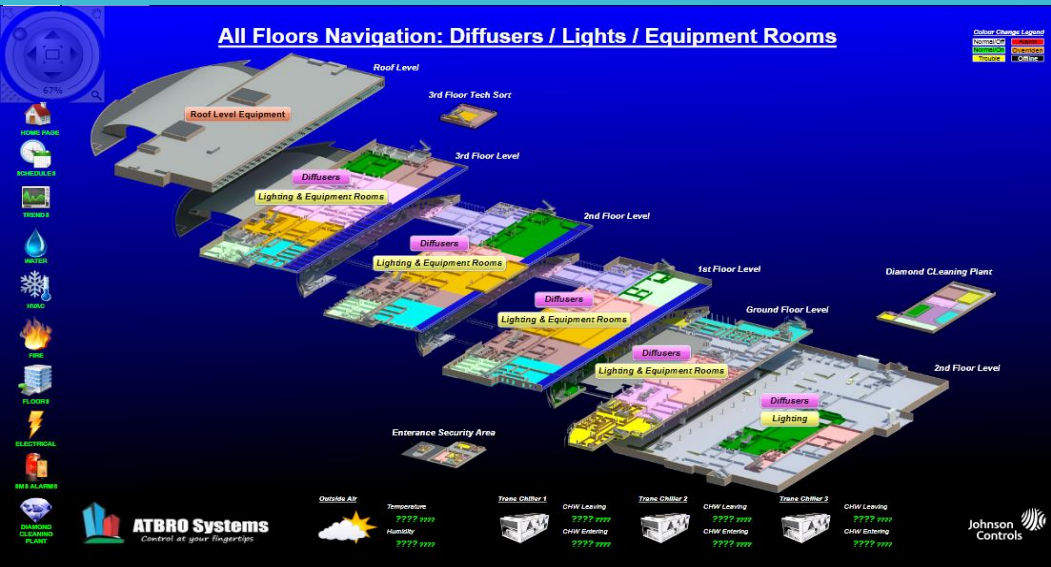
Audit Trails (Transaction Data Management)

The Audit Trail feature records events generated either by user actions or system activity.

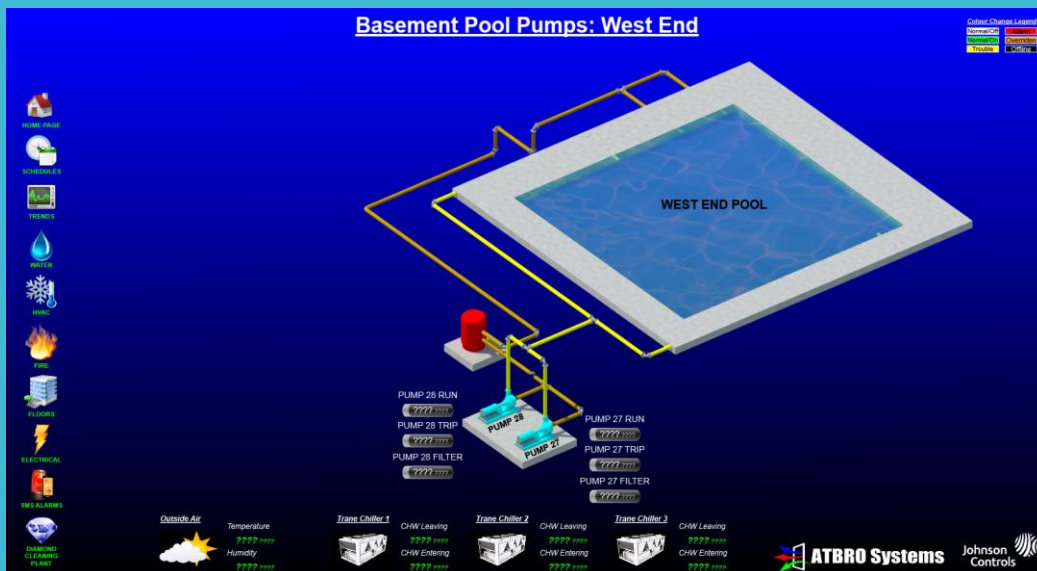
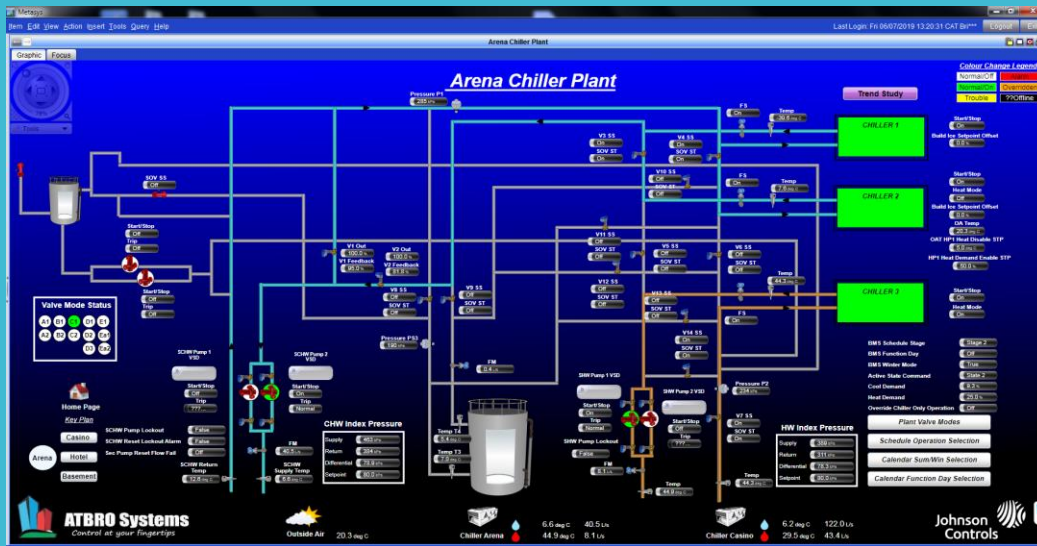




What you can expect to see on the customized user interface



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