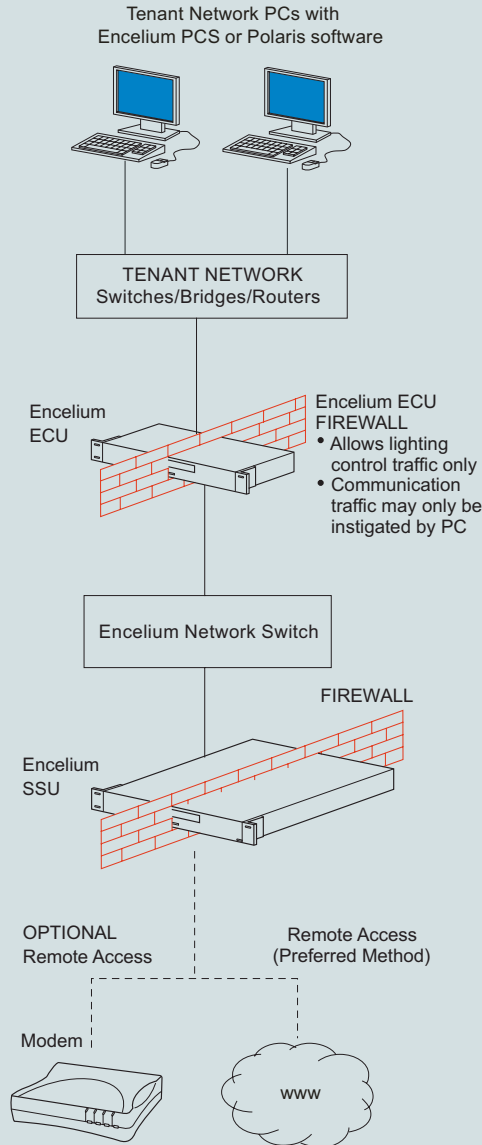
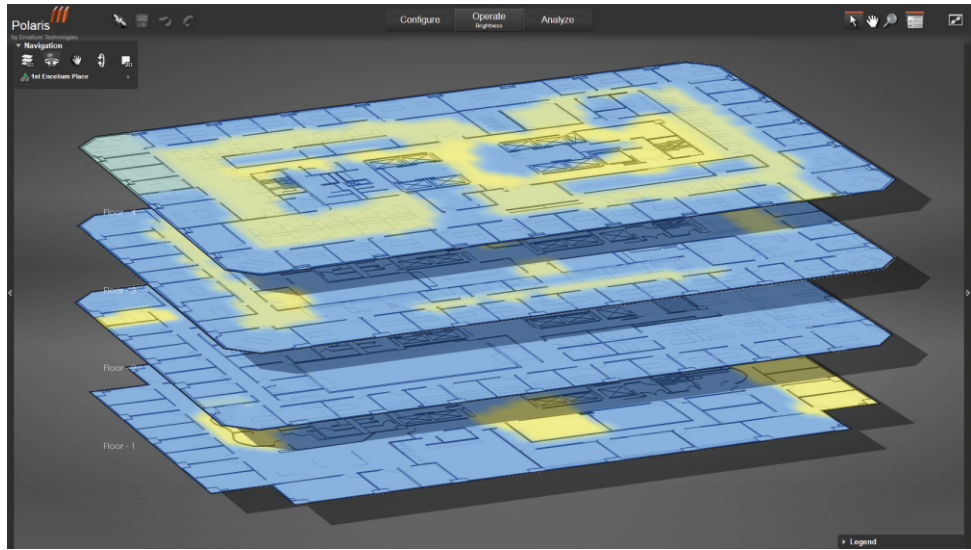




■ POLARIS 3D™ - LIGHTING CONTROL SOFTWARE



Typical networking connections to enable Polaris 3D lighting control. ■



OVERVIEW

Polaris 3D™ is the next generation of lighting control software for the Encelium Energy Control System. A web-based application, Polaris 3D features an interactive three dimensional view of a building or complex in real-time. Facility managers are now able to see an entire facility or complex as a convenient 3D snapshot allowing for faster and easier navigation to desired control zones.

Polaris 3D uses Microsoft's Silverlight technology providing for an enhanced user experience and allowing access to the system from a web browser. This eliminates the need for installation of software resulting in faster set up, fewer IT security issues and easier integration with other web based building control systems. A building manager will now be able to access Polaris 3D from any internet connection.

DATA REPORTING

Energy usage is simple to monitor with Polaris 3D. Clicking on any floor, zone, or fixture will automatically produce an energy savings report for a day, week, month, or year, depending on the time line the user desires to view. Facility managers can now identify irregularities with unprecedented efficiency.

Polaris 3D offers a unique color gradient representation of lighting system data to enable identification of inefficiency trends or operational anomalies, including:

- Lighting status (on/off)
- Lighting power density or energy consumption
- Lighting levels
- Occupancy status
- Load shedding status
- Comparative energy trends

SYSTEM CONTROL

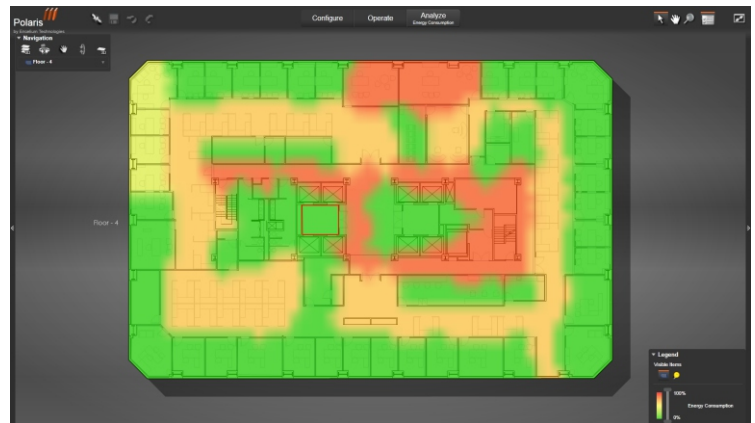
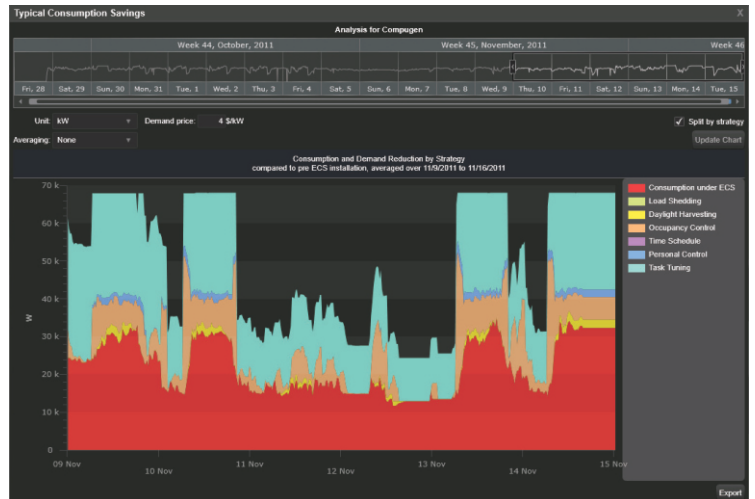
Polaris 3D™ is used to commission, configure, and manage the Encelium Energy Control System and also stores system data to enable various reporting features through the Encelium Energy Reporting Module. It enables configuration of every system parameter in a building (or campus of buildings) for each individual user or space and establishes baseline settings for the following system features:

- Daylight Harvesting
- Task Tuning
- Occupancy Control
- Personal Control
- Smart Time Scheduling
- Load Shedding

Polaris 3D also features an innovative graphical interface which enables convenient “drag and drop” mapping (addressing) of all hardware devices connected to the system. These include light fixtures, sensors, relays, or lighting controllers. This feature allows facility managers to instantly rearrange lighting layout by moving a zone from one area to the other. The software allows users to group floors, rooms or even desks in to zones which are then controlled as a unit. No pre-assigned addresses are required upon installation of hardware devices. Changes in the association of a device (such as a sensor or lighting controller) to a grouping of fixtures or zones is done via a click of the mouse rather than through physical rewiring.

Advanced system features such as creation of zone hierarchies, overlapping and support zone definitions, user access rights, timeout settings for occupancy sensors, calibration of light levels for daylight harvesting and the setting of multiple configured time schedule profiles are controlled through Polaris 3D. Settings for multiple floors and fixtures can be applied all at once.

Polaris 3D operates in three distinct modes: Configure, Operate, and Analyze. This interface coupled with familiar features such as “undo” and “redo” icons, make Polaris 3D completely user-friendly. In addition, the software will automatically synchronize and save any changes when switching between the three modes.



SYSTEM REQUIREMENTS

- Min. 1 Ghz Processor
- Min. 300 MB hard drive space
- Min. 1 GB RAM
- Network connection with access to a network-enabled Encelium ECU or the site Encelium network
- Internet web browser with Silverlight 4 or later version

RECOMMENDED

- 1.5 GHz Processor or Better
- 2 GB RAM or Better

Specifications subject to change without notice, Cat. # SWL-603



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