About Lucid

Founded in 2004, Lucid is a privately held cleantech software company and a pioneer in providing real-time feedback to teach, inspire behavior change, and save energy and water resources in buildings. Our team of engineers, building scientists, psychologists, and artists endeavors to make resource use visible, accessible, and engaging so that building occupants have the data visualization and communication tools to manage and reduce consumption.

Today, hundreds of thousands of people live and work in schools, companies, and other organizations enhanced by Lucid’s web-based, award-winning Building Dashboard® technology.
Building Dashboard® includes solutions for each critical stakeholder in the energy efficiency process — executive management, sustainability directors, facility managers, occupants, and the public.

Lucid’s goal is to unify disparate building systems’ information into a consistent, modern, and easy-to-use online interface. This allows for transparency, visibility, and easy communication across your entire organization.

Building Dashboard enables occupant engagement, energy reduction competitions, public education, management reporting, and kiosk signage solutions — all elements of a successful energy management program.
Visible, accessible, and engaging touchscreen displays

**Building Dashboard® Kiosk™** enables occupants, visitors, and the public to view energy and water use information on interactive touchscreen displays. Comparative graphs, glowing orbs, and other visualizations make it easy to understand the performance of buildings and organizations. A variety of modules—including Comparisons, Competitions, LEED® Features, and Event Calendars—make Kiosk a feature-rich, visibility-enhancing solution for monitored buildings.
Main Features

Welcome screen

Greet new users of the Dashboard with rotating photos and introductory text. The Welcome screen provides an opportunity to welcome passersby or prompt them to interact with the touchscreen display. Organization colors and branding are included.
Main Features

### Historical views

Display building resource use over the day, week, month, or year. Compare current consumption with previous consumption, and watch how patterns change over time—all on the same graph. Readouts in the graph show by how much you have increased or decreased consumption.

### Bar graphs

Easily track building resource consumption and production patterns on beautiful animated graphs and color-coded glowing orbs. Examine usage for an entire building or floor, and look at usage per person or per square foot. Orbs tell you how a building is performing right now.

### Contrasting views

See how the performance of one building stacks up to another. Graph two buildings, floors, or end uses at the same time, and compare current use with historical performance. Readouts on each side of the graph sum up consumption for the entire time period.
### Main Features

#### Competitions

Enable energy and water reduction competitions, and display the performance of buildings or floors on the same screen. The performance of individual buildings is tallied in real time and savings are expressed in different units. Browse concurrent or previous competitions in the list.

#### Comparisons

Select from automatically organized groups of buildings, wings, floors, or end uses. Buildings at a single location or across multiple sites or campuses can be compared together on the same screen.
Main Features

Units library

Make use of unit equivalents across all aspects of the Dashboard. Units are customized to reflect your unique cost data and local fuel mix. A full library of units for all resource types is available.

Unit equivalents

Instantly express resource use in intuitive, everyday units. Show electricity use in terms of dollars spent or pounds of carbon dioxide emitted, or show water in terms of equivalent toilet flushes. Unit equivalents make resource use data understandable for everyone.
Main Features

Green Features

Showcase building systems, green technologies, LEED® features, and energy conservation strategies employed throughout your building or organization. A thumbnail navigation menu allows users to easily browse individual features, each of which include large photos and descriptive text.

Renewables

Show the performance of renewable energy and water systems in the context of overall building consumption. Display net resource consumption over the course of a day, month, or year.

Diagrams

Animated, data-enabled diagrams and illustrations explain how building systems work in real time. Show the performance of solar photovoltaic, solar thermal, rainwater catchment, and geothermal systems.
Main Features

**Green tips**

Deliver a wide variety of resource use facts and green tips for conservation. Large photos and text make every tip highly visible.

**Event calendars**

Give users another reason to check in on your Building Dashboard. Easily browse current or upcoming events and event details. Connect to your Google Calendar for publishing and managing new events.

**Weather**

Display local weather conditions and forecasts, including temperature, pressure, humidity, wind speed, and forecasted highs and lows.
Tech Specs

Buildings and metering are complicated. We try to make it simple. In the following pages we provide an overview of the technical specs and capabilities of Building Dashboard®, describe Lucid’s fully supported touchscreen packages, and discuss options for data acquisition.

Every Building Dashboard comes with Lucid’s Building Dashboard Service Package, Management Portal, configuration and branding options, and standard support services. Additional Management Portal features and support services can be purchased separately.
Building Dashboard has been designed to be the most robust, technically capable, and visually spectacular data monitoring and display system available for commercial and institutional facilities. Lucid’s award-winning display interface and data acquisition system meet the technical requirements of hundreds of unique building scenarios.

**Universal connectivity.** Building Dashboard connects to virtually all building automation systems and energy management systems, as well as all utility meters and submeters with either pulse or Modbus registers.

**Automated data collection and real-time display.** Building Dashboard enables easy, reliable, and fully automated data collection, processing, storage, and real-time display over the web. A powerful data warehouse makes real-time data crunching possible for thousands of buildings simultaneously.

**Off-site hosting.** Lucid’s hosted, off-site solution eliminates the need for on-site server hardware and IT infrastructure, reducing hassle and lowering overall cost.

**Rapid scalability.** Building Dashboard is designed to rapidly scale from one building to hundreds or thousands of buildings for an organization.

**Comprehensive resource use monitoring.** Building Dashboard monitors total and end use-level electricity, water, natural gas, heating, cooling, solar electricity, solar thermal energy, geothermal energy, rainwater collection and recycling, wastewater recycling, and more.

**Comparisons and competitions.** Building Dashboard enables comparisons and resource use reduction competitions between floors, groups, buildings, and organizations. Local, regional, and national competitions utilize location-specific cost and emissions data.

**Historical data access.** Lucid’s Data Downloader tool allows users to easily download archived data into an Excel® spreadsheet for carbon accounting, monitoring and verification, troubleshooting, and research. Password protection provides access that is limited to specified variables within the database.

**Configuration and branding.** Building Dashboard is configured uniquely for your organization or buildings. Color palettes and background photos offer ample branding opportunities for your Kiosk.

**Touchscreen accessibility.** Building Dashboard Kiosk can be accessed on most LCD monitors and touchscreens, as well as all popular web browsers. Lucid offers complete, out-of-the-box touchscreen packages designed to meet your public showcasing requirements.

**LEED® credits.** Building Dashboard facilitates your ability to earn Measurement and Verification and Innovation in Design credits toward USGBC’s LEED certification for both New Construction and Existing Buildings.

**Warranty and support services.** Lucid provides software support services to ensure that your Building Dashboard is fully functional during your period of service. The Building Dashboard Service Package is offered as a one-year service plan and is subject to the terms of your Support Agreement. Warranties on hardware are carried solely by their respective manufacturers.
Building Dashboard® Kiosk can be displayed using one of Lucid’s recommended kiosk packages in various sizes. Each touchscreen package includes a touchscreen monitor with integrated PC and tilting wall mount. All you need to provide is an electrical outlet and an Internet connection.

PC computers ship preconfigured to automatically display your Building Dashboard right out of the box. All touchscreen displays come with Lucid’s Building Dashboard Service Package to ensure uptime.

Lucid’s recommended kiosk packages include rugged, high-grade components designed for use in high-traffic public spaces. Lucid does not provide on-site installation or mounting of display hardware.

Touchscreen packages include a standard 3-year warranty with on-site replacement. Extended warranty options are available; please ask your Lucid sales associate for more information. Warranties on hardware are carried solely by their respective manufacturers.

What’s included:

- 32” / 42” / 46” touchscreen monitor
- Tilting wall mount
- Integrated PC
- Remote uptime monitoring
Data Acquisition

Option A

Integrate with your existing building automation system (BAS)

Building Dashboard connects to virtually all building automation systems and energy management systems, including Alerton, ALC, Cisco, Honeywell, JCI, Siemens, Square D/Schneider Electric, Trane, Tridium, and more.

How it works: Lucid works with your facilities personnel to establish the data connection. Data are pushed to Lucid’s off-site servers, where it is stored, processed, and then published to your Building Dashboard.

Option B

Install Lucid’s out-of-the-box data logger with your existing meters

How it works: Lucid ships you a plug-and-play, network-enabled data logger to connect with your existing utility meters and sub-meters. The data logger pushes data to Lucid’s off-site servers.

This option also allows for future monitoring expansions. An electrician or qualified professional is required for installation.

Option C

Install Lucid’s out-of-the-box data logger + electricity meter package

The data logger + electricity meter package is designed for buildings without existing metering or building automation infrastructure. All your building needs is an Internet connection.

How it works: Lucid ships you a plug-and-play, network-enabled data logger and industry-grade electricity meter. The data logger pushes data to Lucid’s off-site servers. Similar to Option B, this option also allows for future monitoring expansions. Professional installation is required.
Add-ons

A social network for the buildings in which we live and work.

Building Dashboard® Network™ enables people to view, compare, and share building energy and water use information on the web. Watch real-time resource use data come to life with simple, beautiful graphics on profile pages designed specifically for buildings and organizations.

An expanding library of unique apps and widgets as well as integration with Facebook make Building Dashboard Network a comprehensive and exciting social network for buildings.

To learn more about Building Dashboard® Network and Reports, contact your Lucid sales associate.

Make energy information reporting simple and easy to share.

Building Dashboard® Reports™ provides automatically generated web-based and PDF reports that deliver high-level metrics of building performance for individual buildings or your entire campus portfolio.

Lucid’s expanding library of reports gives you easy access to clean, intuitive, and visually elegant documents suitable for immediate distribution. Simply download, print, or email.
Webinars

Register for an upcoming product webinar on our website to get a live demo of Building Dashboard.

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