



## Overview

**EC-Net<sup>AX</sup> EnerVue** is a configurable, graphical Web-based energy management dashboard application that provides rapid identification of real-time and historical trends in key areas of operations, including energy use, mechanical and electrical systems, operational efficiencies, and critical metrics. EC-Net<sup>AX</sup> EnerVue provides the opportunity for users to quickly identify issues, assess relationships, and take action in order to optimize resource efficiencies and sustainability by reducing volumes of data from disparate systems into visual knowledge.

Due to the wide range of potential users, from the highly technical to the non-technical, EC-Net<sup>AX</sup> EnerVue was designed to provide each user with their own unique dashboard client. The dashboard can easily be set up and modified from a growing library of “viewlets” by any user without affecting any other users’ preferences and settings.

For single sites or smaller footprints, EC-Net<sup>AX</sup> EnerVue will run as a stand-alone module on an EC-BOS<sup>AX</sup>, eliminating the need for additional PCs based on Software as a Service (SaaS). EC-Net<sup>AX</sup> EnerVue allows owners to start small, yet remains scalable to fit any company’s growing needs.

EC-Net<sup>AX</sup> EnerVue offers an extensive library of optional viewlets that permit the analysis of various data, histories, and metrics, including energy trends, building comparisons, weather data, network status, consumption efficiencies, key performance indices, and more. EC-Net<sup>AX</sup> EnerVue can even display Web pages hosted by a third party, thus preserving prior investments while enabling side-by-side comparisons of operating graphics with related variables and performance trends.

## Applications

- Equally useful for both new structures as well as retrofits.
- Intuitive tool that enables comparisons between buildings, campuses, and departments and allows assessments to be made in order to foster improved energy awareness.
- Offers a real-time “network status” graphical viewlet which allows for immediate color-coded visual identification of “device health” or other problem areas in the connected EC-Net<sup>AX</sup> network.
- Has a flexible Graphical User Interface (GUI) by integrating PX equipment views and floor plans alongside standard charts, KPI analyses, and third-party websites.
- Enables clear visualization and documentation for building commissioning, as well as tools for validation of sustainable designs.
- Enables quick visualization of locations that are deviating from their historical performance or operating outside the norm for similar structures.
- Provides timely tracking of enhanced savings as a result of investments in conservation or capital projects.

## Features & Benefits

- User-Centric** – Each user can create, view and modify their own dashboard “on-the-fly” in minutes, thus enabling them to focus on current or rapidly changing conditions for their area of responsibility.
- Viewlet Export Options** – Viewlets can be exported as an image file, or as an image within a PDF file. Their tabular data can also be exported in CSV format for instant use in reports and technical documents.
- Virtual Naming** – Data mapped into EC-Net<sup>AX</sup> EnerVue can be given “friendly” (recognizable) names without impacting the underlying control database.
- Data Normalization** – Provides the ability to normalize data such as energy consumption and account for differences in square footage, etc.
- Equivalency Conversions** – Allows for “one-click” display of selected trends in equivalent units, such as kWh to dollars or metric tons of CO<sub>2</sub>.
- Kiosk Mode** – Simplified display of normalized data by continuously cycling through the user’s viewlets. This display can foster awareness and support, while highlighting the energy initiatives of corporate and public sustainability awareness campaigns.

## Features & Benefits (Continued)

- Informational Screen Tips – Customizable screen tips enable the dashboard’s administrator to present EC-Net<sup>AX</sup> EnerVue end users with clarifying information, educational tips, or other relevant information prior to displaying a viewlet in kiosk mode.
- Auto Discovery Wizard – Allows users to efficiently identify and map the information from many sources, including meters, databases, or automation systems into multiple viewlets.
- Facility & Business Data – Provides integrated views of facility contribution to business profitability, such as energy cost per production unit.
- EC-Net<sup>AX</sup> EnerVue Guest Accounts – Guest accounts permit administrators to build views for a target audience, but prevent the guest users from accidentally modifying the intended setup. This feature helps protect important configurations while “publishing” information to a large audience.
- EC-Net<sup>AX</sup> – Uses existing EC-Net<sup>AX</sup> user rights to enable maximum management flexibility.
- Web-Based – Built with an open source framework for building and maintaining expressive web applications that deploy consistently on all major browsers, desktops, and operating systems.

## EC-Net<sup>AX</sup> EnerVue Versions and Drivers

### Applications

EC-Net <sup>AX</sup> EnerVue (Supervisor)	EC-Net <sup>AX</sup> EnerVue for EC-Net <sup>AX</sup> Supervisor, w/Std Viewlet Package: Resource Consumption; Circular & Semi-Circular Gauge; Point Table; History Line, Pie & Column Chart; PX & Web Page; Virtual Utility Meters; Green Tips Slide Show; Digital Totalizer.
EC-Net <sup>AX</sup> EnerVue (Offline) <sup>1</sup>	EC-Net <sup>AX</sup> EnerVue for EC-Net <sup>AX</sup> Supervisor Offline, w/Std Viewlet Package: Resource Consumption; Circular & Semi-Circular Gauge; Point Table; History Line, Pie & Column Chart; PX & Web Page; Virtual Utility Meters; Green Tips Slide Show; Digital Totalizer.
EC-Net <sup>AX</sup> EnerVue (EC-BOS <sup>AX</sup> )	EC-Net <sup>AX</sup> EnerVue for EC-BOS <sup>AX</sup> , w/Std Viewlet Package: Resource Consumption; Circular & Semi-Circular Gauge; Point Table; History Line, Pie & Column Chart; PX & Web Page; Virtual Utility Meters; Green Tips Slide Show; Digital Totalizer.

### Location Adder

Location Adder (10)	Adds block of 10 locations
Location Adder (25)	Adds block of 25 locations
Location Adder (50)	Adds block of 50 locations
Location Adder (100)	Adds block of 100 locations
Location Adder (250)	Adds block of 250 locations
Location Adder (500)	Adds block of 500 locations
Location Adder (1000)	Adds block of 1000 locations
Location Adder (2000)	Adds block of 2000 locations

### Optional Viewlets

Optional EC-Net <sup>AX</sup> EnerVue V101	Ranking Comparison History
Optional EC-Net <sup>AX</sup> EnerVue V102	Utility Performance Index History
Optional EC-Net <sup>AX</sup> EnerVue V103	Demand Duration History
Optional EC-Net <sup>AX</sup> EnerVue V104	Network Health (Spider Chart) Diagnostic
Optional EC-Net <sup>AX</sup> EnerVue V105	Utility Accounting History
Optional EC-Net <sup>AX</sup> EnerVue V106	Columnar Drill Down Point
Optional EC-Net <sup>AX</sup> EnerVue V107	Pie Chart Drill Down Point
Optional EC-Net <sup>AX</sup> EnerVue V108	Baseline Comparison History
Optional EC-Net <sup>AX</sup> EnerVue V109	Point Line Chart (Live) Point
Optional EC-Net <sup>AX</sup> EnerVue V110	Dual Axis History
Optional EC-Net <sup>AX</sup> EnerVue V111	History ColorGrid History
Optional EC-Net <sup>AX</sup> EnerVue V112	Weather Correlation History
Optional EC-Net <sup>AX</sup> EnerVue V113	Year-Over-Year History
Optional EC-Net <sup>AX</sup> EnerVue V114	Event History Timeline History
Optional EC-Net <sup>AX</sup> EnerVue V201	AHU Diagnostics Package: Space Temperature Compliance; AHU Setpoint Efficiency Ranking; Cooling vs. Supply Air Temperature; Heating vs. Supply Air Temperature.
Optional EC-Net <sup>AX</sup> EnerVue V251	Weather Normalization Diagnostic. Location Based Degree-Day Normalization Analysis.
Optional EC-Net <sup>AX</sup> EnerVue V271	Cross Correlation Analysis Diagnostic. Determines the correlation between any two variables over a common timeframe.
Optional EC-Net <sup>AX</sup> EnerVue V301	Solar Energy Generation Focus Viewlet
Optional EC-Net <sup>AX</sup> EnerVue V901	Optional Viewlet Bundle: All Optional Viewlets (excluding V201 & V301). Note: Applies to optional viewlets at time of original purchase.

### Other Tools

Viewlet Web Publisher	Enables the User to publish individual Viewlets to external web pages
Utility Data Import	CSV Mapper Utility to map data for Utility Accounting Viewlet

### Upgrade & Maintenance

Basic Version Upgrade	One time version upgrade for JAR file and owned viewlets
Annual Upgrade Agreement	Upgrades JAR file and owned viewlets (multi-instance/yr)

<sup>1</sup> For secure facilities that use an intranet or for areas where there is no internet connection, an offline version of EC-Net<sup>AX</sup> EnerVue is available.

## Platform Requirements

Platform	EC-Net <sup>AX</sup> (v3.5.34 recommended) EC-Net <sup>AX</sup> Supervisor (recommended) or EC-BOS <sup>AX</sup>
Memory	5MB (minimum) of memory space available
Communications	oBIX™ network installed and enabled
Web Browser Requirement	Adobe® Flash plug-in installed on web browser

## Typical Architecture



**Specifications subject to change without notice.**

Distech Controls and the Distech Controls logo are registered trademarks of Distech Controls Inc.; Niagara<sup>AX</sup> Framework is a registered trademark of Tridium, Inc.; BACnet is a registered trademark of ASHRAE; Periscope is a trademark of Activelogix; Mozilla Firefox is a registered trademark of the Mozilla foundation; Internet Explorer is a trademark of Microsoft Corp.; Safari is a registered trademark of Apple Inc. All other trademarks are property of their respective owners; All specifications are subject to change without notice or liability to provide changes to prior purchasers. Information and specifications published here are current as of the date of publication of this document; Products or features contained herein may be covered by one or more U.S. or foreign patents.



05DI-DSENERV-11

EC-Net<sup>AX</sup> EnerVue

www.distech-controls.com