N4 **Energy**Manager

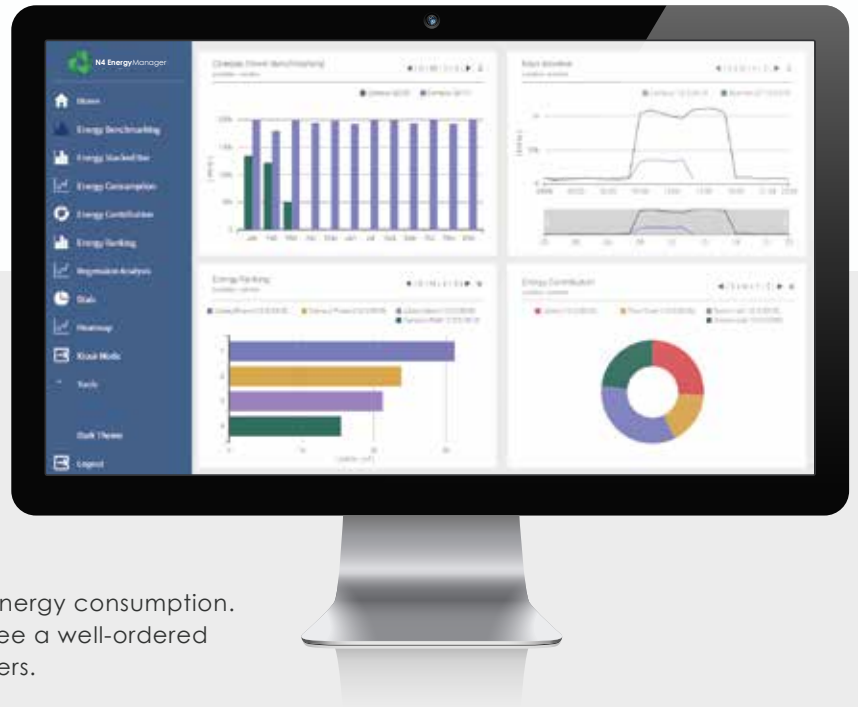powered by energyvision

N4 **Energy**Manager

- Monitoring
- Benchmarking
- Targeting
- Reporting

Understand your energy consumption

Maximise the energy efficiency of your buildings.

Automatically collect and analyse all forms of energy consumption. Visually appealing graphics and charts guarantee a well-ordered and intuitive presentation of the data that matters.

With a fully customisable menu builder, easily collect, evaluate and visualise your energy consumption to help realise substantial savings in energy costs.

Energy Benchmarking

Consumption bar charts visualise the energy profile of your building and benchmark the current day, week & month against the previous period and same period last year. Save time by excluding individual time periods from your bar chart with just one click.

Energy Ranking

Easily identify and compare the high and low consumers between groups of meters, floors, zones or buildings as needed in ascending or descending order. Selecting a particular consumer hides that consumption data from the chart and our auto ranking recalculates and redraws the chart to scale.

Advanced Bar Charts

See a breakdown of how different consumers contribute to your daily energy consumption in our advanced daily, weekly, monthly or yearly bar charts. Add a target line to easily measure and manage your buildings performance.

Contribution Analysis

Discover how particular buildings or zones contribute to your total energy cost and consumption with an easily customisable pie chart. Rotate the chart and highlight segments for easy comparison.

Regression Analysis

View the relationship between weather data (average temperature or degree days) and your buildings energy consumption in a graphically rich Regression Analysis chart. Measure actual consumption against predicted energy consumption.

The multi regression analysis option performs three independent linear regressions for heating, zero-energy periods and cooling periods.

Heat Map

See your energy data in a heatmap chart to easily identify outliers. Data is displayed in 1-hour coloured blocks allowing you to spot trends and patterns over the course of the year. Ranges are automatically calculated based on minimum & maximum values so whether you are viewing outside air temperature to look for seasonal trends, or office temperature to identify occupancy trends, the data is presented as an immediate visual summary.

Automated Reports

Share data by generating instant reports for each graph or chart in either csv, png or pdf formats. Save time and never miss data with automated reporting, configure our reporting tool to save a PDF file locally and send it periodically via email.

Meter Aggregation

N4 Energy Manager allows you to group together and normalise a collection of meters for a particular zone, site or building. This key component provides valuable data for graphical representation of energy consumption and peak demand for a range of different periods using either a single meter, or a group of sub meters.

Consumption and peak demand is automatically calculated for the current & last hour, current & last day, current & last week. **N4 Energy**Manager keeps a record of the hourly energy consumption for individual meters, groups of meters, and calculated virtual energy meters.

Menu Builder

Navigate your station with ease with our vertical navigation menu. See your **N4 Energy**Manager dashboard come to life with our sophisticated and intuitive drag and drop Menu Builder widget. Our Menu Builder allows you to preview and build the contents of your navigation menu without any coding experience.

Kiosk Mode for Public Display

Display a selection of pages in a rotating sequence in your building reception, office, meeting or breakout areas. The order of pages, and dwell time between pages can be easily configured to display your buildings energy consumption alongside your corporate messages and public announcements. Increase employee engagement and participation in energy saving initiatives with our commercial quality digital signage solution.

Energy Temperature Curve

Visualise the effect of variations in the outside temperature on your building's energy consumption over a year with our Energy Temperature Curve. Define ideal consumption for various temperature ranges along with tolerance values to quickly draw conclusions on the performance of your building

Data Integrity

Easily identify problems in the quality of your data with our Data Integrity Tool. View at a glance the overall integrity % of your data per chart with intuitive colour coding and helpful summary tool tips. Drill down to pin point the actual number of meters on & off line for each data set within a chosen time period, via a separate Data Integrity pop up.

Customisable to your BMS

N4 Energy Manager uses Niagara Workbench to enable you to create a custom user interface to suit your specific project and customer branding. Access to a library of graphical charts, dial, and widgets allows you to build the pages you need, with the content that matters, to suit any screen resolution.

Tablet

View **N4 Energy**Manager on a range of handheld tablet devices. Using HMTL, graphs and charts auto size to suit your needs giving you greater flexibility to manage your buildings performance remotely.

Technical Specification

Platform : Niagara v4.2 +
Technology : Built on HTML5 & CSS3
Recommended Browser : Chrome

System Recommendations

OS: Windows 10 - Win 64bit recommended
Memory: 16GB RAM
Processor: Core i5 Quad-Core
Storage: 256GB SSD

N4 **Energy**Manager
Core

Included:

- Energy Benchmarking
- Energy Ranking
- Advanced Bar Charts
- Contribution Analysis
- Regression Analysis
- Heat Map
- Meter Aggregation ***limited to 3 histories**
- Menu Builder ***limited to 10 PX pages**
- Instant reporting ***limited to PNG/PDF format**
- Kiosk Mode ***limited to 3 pages**

Pre-installed with all Forest Rock JACE + Supervisor purchases

N4 **Energy**Manager
Pro

Included:

Everything in Core, plus;

+ **Histories based on licence pack purchased**
+ **Fully customisable menu Builder**
+ **Instant CSV + Automatic PDF reporting**
+ **Fully customisable Kiosk mode**
+ **Data Integrity**
+ **Energy Temperature Curve**

Requires a license.
Contact us, upgrade to **Pro.**

Licensing

Licenses are based on history point packs and can be purchased by contacting Sales@ForestRock.co.uk.

Package	History points
N4 Energy Manager Controller Core licence	12 histories
Pro Supervisor 25	25 histories
Pro Supervisor 50	50 histories
Pro Supervisor 100	100 histories
Pro Supervisor 500	500 histories
Pro Supervisor 1K	1000 histories

To arrange a demo, discuss your energy dashboard needs and discuss licencing, pricing and more contact us at Sales@ForestRock.co.uk

niagara⁴ Architecture

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Contact Us

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N4 **Energy**Manager

An intuitive energy dashboard, benchmarking and analysis tool kit
built on Niagara HTML-5 technology and powered by **energy**vision

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