# Raritan

Power IQ®

DCIM Monitoring Software

In today's data center, being efficient with power and cooling resources is just as important as maintaining uptime. Power IQ® provides the information and controls you need to fully utilize your existing power infrastructure while alerting you to trouble before it causes downtime. Power IQ can be deployed as a standalone DCIM monitoring solution or with Raritan's DCIM operations software — dcTrack® to provide full asset and change management.

It scales to meet enterprise needs, allowing you to keep tabs on: CRACs, UPS, PDUs, RPP, meters, branch circuits, racks, rack PDUs, environmental sensors, and IT devices, all from a web browser. Dual communication capabilities let you monitor critical infrastructure via a secure out-of-band IP network, and device data and control can be provided to users over WAN with role-based security and permissions.

Power IQ automatically supports devices from vendors like: APC®, Avocent®, BayTech®, CyberSwitching®, Cyclades®, Eaton, Emerson®, Geist, HP®, Knurr®, Liebert, MRV®, NetBotz,Raritan, Rittal®, Server Technology®, Sinetica, Starline Track Busway, Tripp Lite and UNITE™. And you can easily add support for any other manufacturers with our dynamic plugin capability.
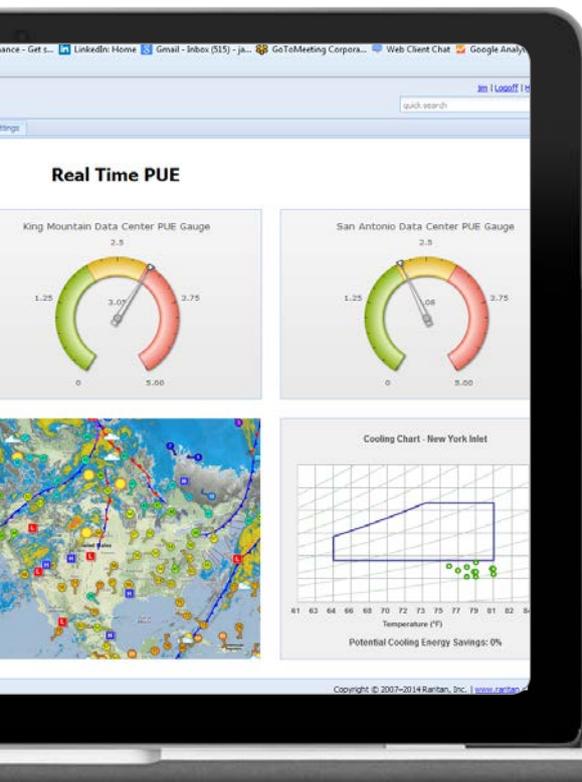
"The largest improvement that I see is being able to monitor power usage in our lab and making sure that our PDUs don't get overloaded. We've gone through a few retirement phases and we can track that with the graphs in PIQ — we see the power usage going down. Being able to see the temperature throughout our lab is also pivotal."

— **Kiel Anderson**
Senior Lab Network Engineer
F5

"By graphing energy usage and trends and tracking our carbon footprint, Raritan's Energy Management solution is helping us identify areas where we can conserve. Allowing us to monitor in real-time and reduce cost."

— **Will Stevens**
Senior IT Director
AOL
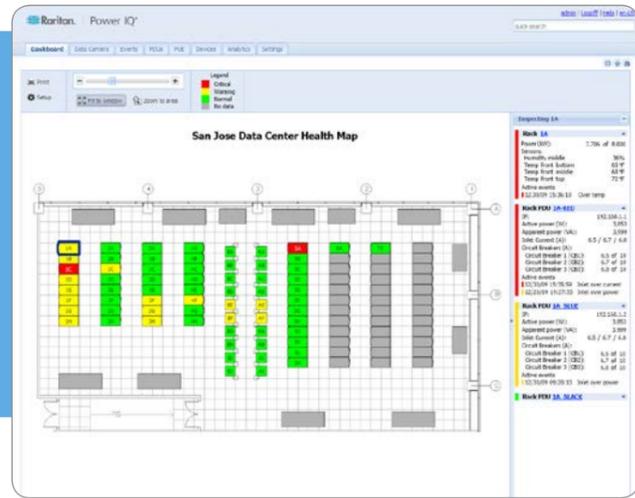
Data Center Health Map

A real-time interactive data center health map warns of issues such as hot spot formation, SLA violations, over charges, and loss of redundancy.


User-Configurable Dashboard

The user-configurable dashboard provides a centralized view of power and environment health, PUE, energy capacity and consumption, weather services, and maps.
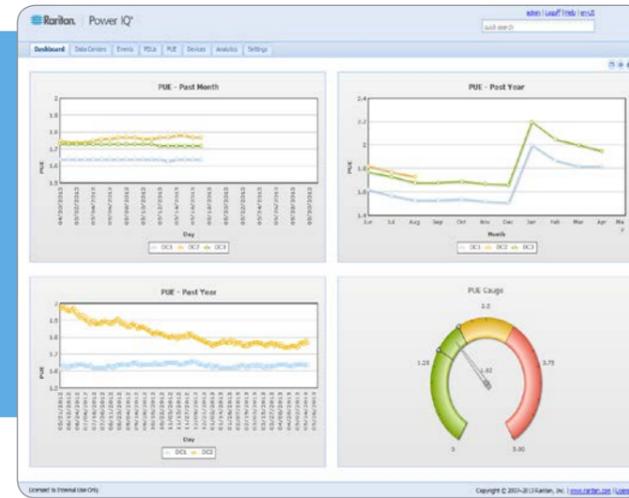

Power and Energy Analytics

Intuitively create charts to visualize active power by rack, carbon footprint by building, customer billback, total energy consumption, and any other metric you can think of.
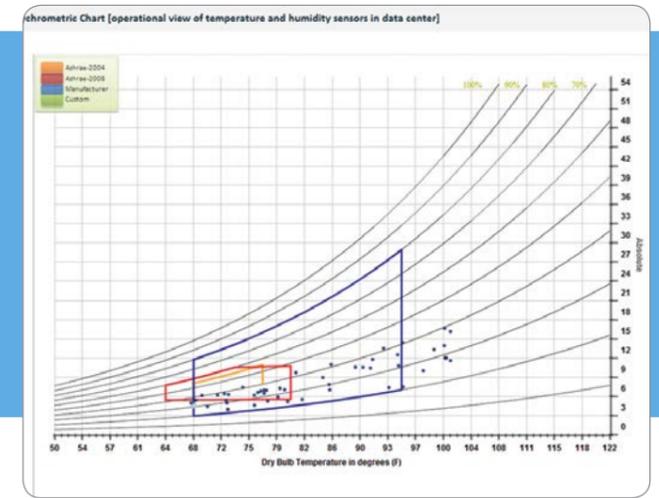
Cooling Chart

Ensure compliance with manufacturers' and industry accepted recommendations and project cost savings achieved by increasing temperature set point.
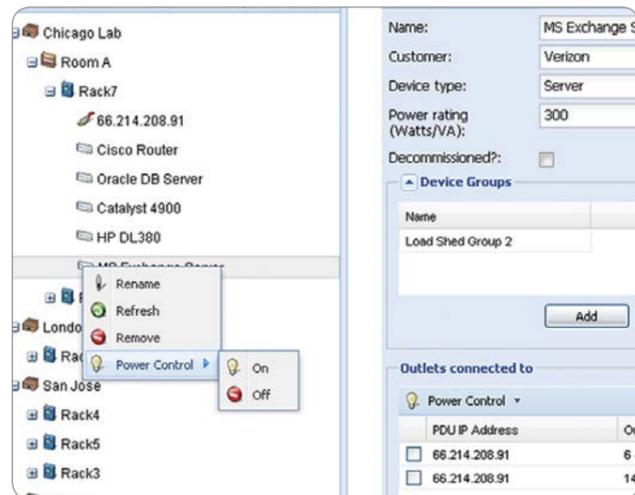
Power Control

Easily control power on outlets, IT devices, and groups of IT devices with power sources spanning multiple rack PDUs.
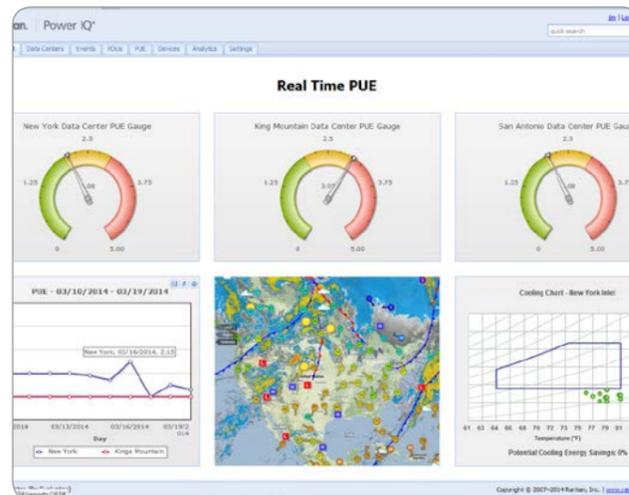
Power Capacity and PUE Gauge

See real-time PUE and trends, and your current power capacity utilization at any level in your data center or lab (PDU, rack, row, busway, room, etc.).
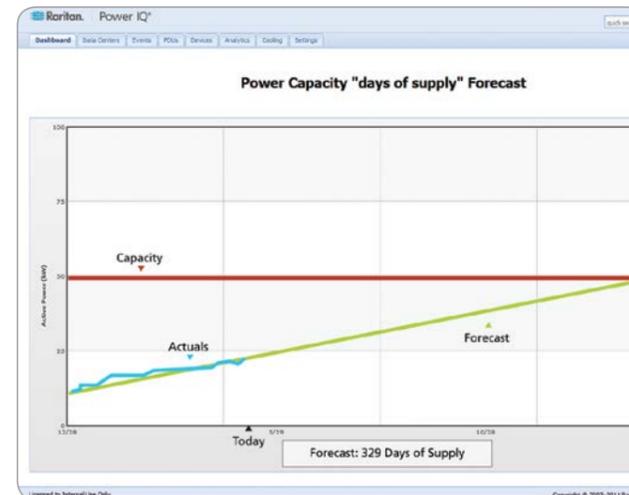

Power Capacity "Days of Supply" Forecast

Determine your real-time power load, rate of change, and forecasted at all levels of your infrastructure with capacity forecast charts.
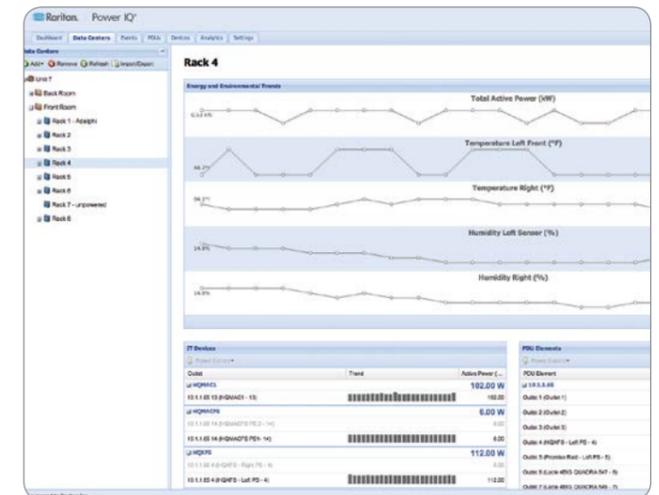
Smart Rack View Page

The smart rack view page provides one-click access to rack power, cooling, airflow, and events, and makes three-phase load balancing easy.

See it in Action
Visit Raritan.eu or call
+31 (0)10 - 284 40 40 to
speak to a product expert.

Efficiently Utilize Energy

Power IQ provides you with valuable information and automated control that can help you gain efficiencies in the data center right away, including:

- Baseline energy consumption and track changes by IT device, rack, zone, customer, department and data center

- Easily seeing if you are operating within industry-accepted – and server manufacturers' recommended – temperature and humidity ranges

- Estimated savings calculation from increasing temperature to upper limit of recommendations

- Temperature threshold alert monitoring and trending, to safely manage environmental conditions

- Energy cost billback reports with one click

- Remote power on/off outlet groups

- Agentless graceful shutdown of system operating systems

Make Informed Power Planning Decisions

Power IQ supplies actual load of IT devices under computing stress to provide you with better planning information.

- Collect short- and long-term data and compare to rated capacity to update design assumptions

- Monitor trends, alerts and threshold violations to understand future needs

- Power capacity meter will provide you forecasted "days of energy supply"

User-Configurable Energy Management Dashboard

- Display on large screen in slide show mode with real-time updates

- Configurable size, layout and charts

- Display power and environmental health, energy capacity and consumption, weather services, maps, video and much more

Create Custom Reports

Report via:
Active power
Energy
Carbon
Cost

Report via:
Outlet
IT device
Customer
Department
Rack
Zone
Floor
Data center
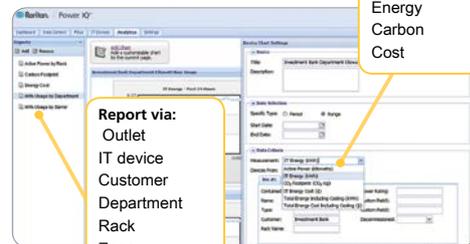
Export Graphed Data to CSV

Click to export any graphed data
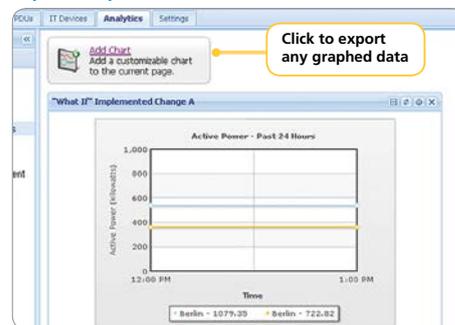
Endorser of the EU Code of Conduct on Data Centre Energy Efficiency

Formulated by the EU's Joint Research Centre, the Code is a measured response to the energy challenges the EU faces. It's aim is to encourage companies with data centers to reduce energy consumption while ensuring business objectives continue to be met.

As an endorser, Raritan have pledged to implement the Code's ethos through devising products and services that help organizations to bring their data centers into line with its best practice recommendations.

Call +31 (0)10 284 4040 or visit www.raritan.eu