Power IQ®
DCIM Monitoring Software

Easily Manage Data Center and Facility Energy, Power and Environment

Power IQ® (PIQ) software provides the information and controls you need to fully utilize your existing infrastructure resources while alerting you to trouble before it causes downtime. PIQ software can be easily deployed as a standalone DCIM monitoring solution or with Sunbird's dcTrack® DCIM Operations to provide full asset and change management.

PIQ functionality scales to meet enterprise needs, allowing you to securely keep tabs on: all your Data Centers and Labs with monitoring of your CRACs, UPS, PDUs, RPPs, Meters, Branch Circuits, Racks, Rack PDUs, Environment Sensors, and IT Devices, all from a single web browser.

PIQ is vendor neutral and automatically supports devices from: APC®, Avocent®, BayTech®, Cyber Switching®, Cyclades®, Eaton, Emerson®, Geist, HP®, Knurr®, Liebert, MRV®, NetBotz, Raritan, Rittal®, Server Technology®, Schneider Electric, Sinetica, Starline Track Busway, Tripp Lite, and UNITE™, Veris®, and many others. And you can easily add support for any other manufacturers with our dynamic plugin capability.

Utilize Power and Cooling Resources Efficiently and Improve PUE
PIQ software automatically collects power usage data from devices, and environmental data from sensors.
- Real-time power consumption monitoring by device, rack, row, POD, data center or customer.
- Meet manufacturers' and industry guidelines for data center temperature and humidity.
- Automatically generate customer energy billback reports.
- Vendor agnostic agentless graceful shutdown and power cycling down to the outlet-level.

Make Informed Power and Capacity Planning Decisions
Tracks actual power load of IT devices under computing stress, providing 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 power needs.
- View real-time power load, rate of change and trends for forecasting power capacity.
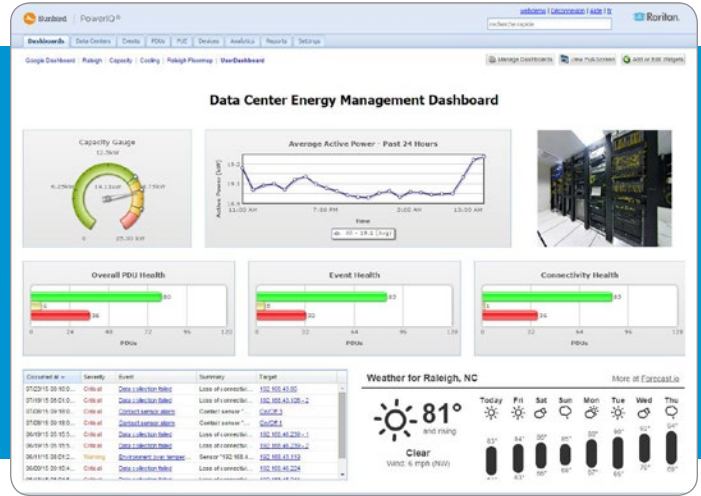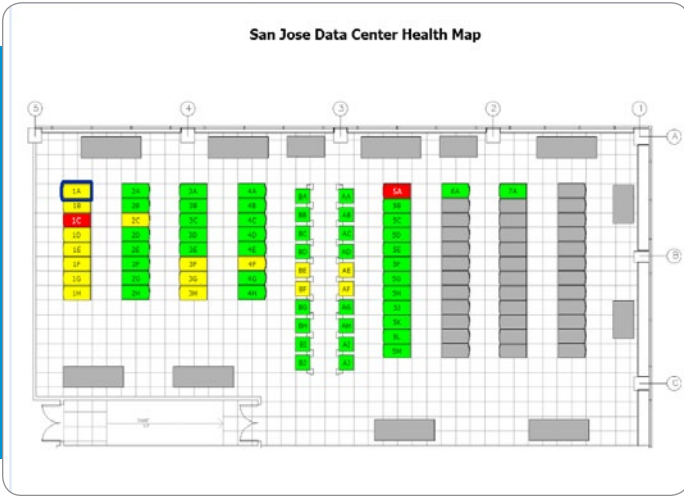- Find stranded capacity and delay expensive capital purchases.

Monitor Data Center Health to Prevent Costly Unplanned Downtime
Avoid unplanned downtime that can cost hundreds of thousands of dollars per outage and the health of your complete data center including critical facilities.
- Data center health maps provide an at-a-glance view of rack load levels, line currents and all environmental conditions.
- Threshold based alerting and trends for identifying hotspots and potential trouble areas.

Platform Options:

- **VMware® Virtual Appliance**
  Application software, database and hardened Linux® operating system are fully tested and ready to load on your VMware platform
- **Hardware Appliance**
  Application software, database and hardened Linux operating system are loaded onto our enterprise-class, rack-mountable 2U server with dual power supply and redundant fans
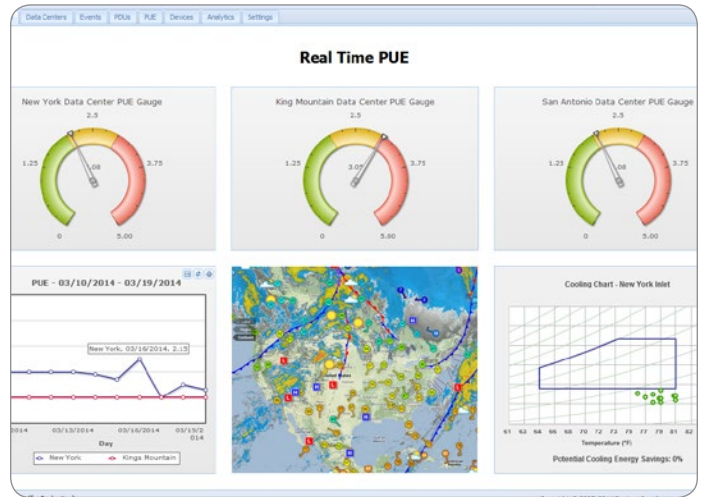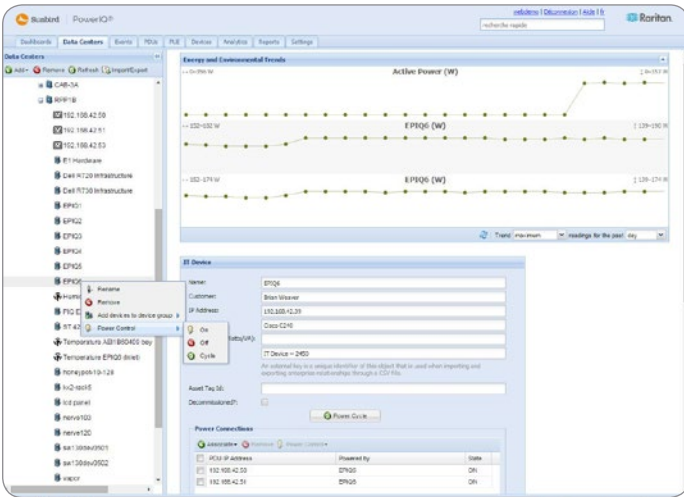
San Jose Data Center Health Map

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.

Data Center Energy Management Dashboard

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 Control

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

Real Time PUE
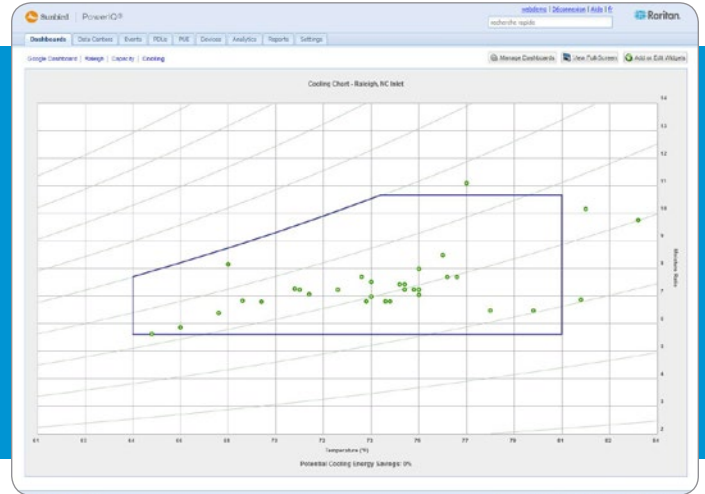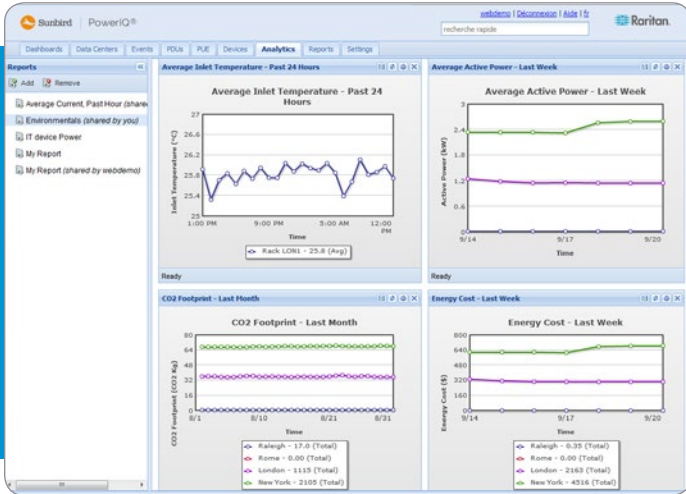
Power Capacity and PUE Gauge

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.).

See it in Action

Visit Raritan.com/power-iq-test-drive or call 800 724-8090 to speak to a product expert.
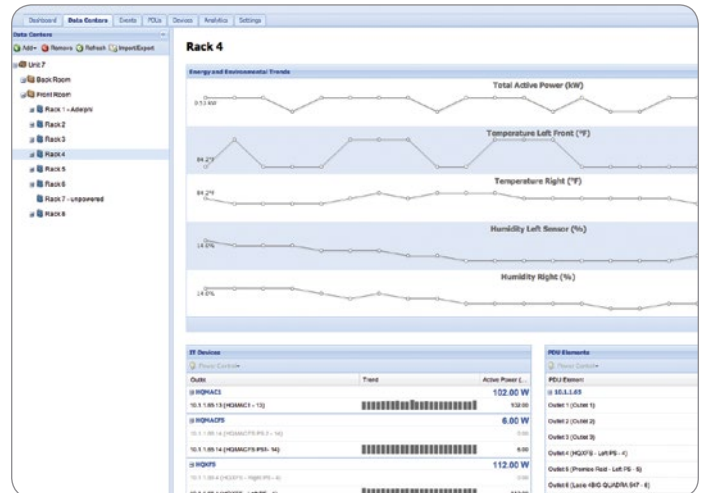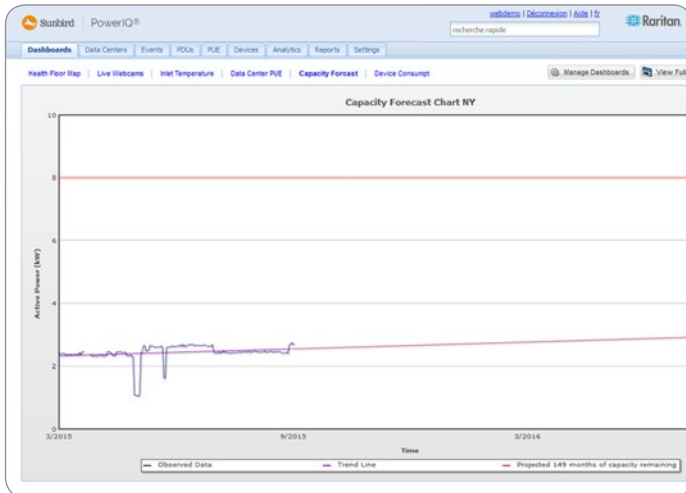
Power and Energy Analytics

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 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.

Automated Power Control
- Remote power control of outlets, IT devices, device groups and racks
- Agentless graceful operating system shutdown

Dynamic Dashboard, Reporting and Charts
- Energy, cost and carbon consumption reports keep customers and/or internal departments informed
- User configurable dashboard with drag and drop widgets
- Health and Capacity Floormap
- Rack Inlet Cooling Chart
- Chargeback reports
- Exception reports help you find stranded power capacity
- Trending reports help you see future capacity needs
- Thermal analysis including temperature and humidity compliance reports
- Power capacity meter for forecasted "days of energy supply"
- Failover simulation charts identify capacity availability
- Display critical and warning alerts with email notifications

Open Data Model
- Web Service API — for easy integration with your systems and custom programs
- Open database connectivity capabilities let you use your existing data warehouse and reporting system to generate custom reports
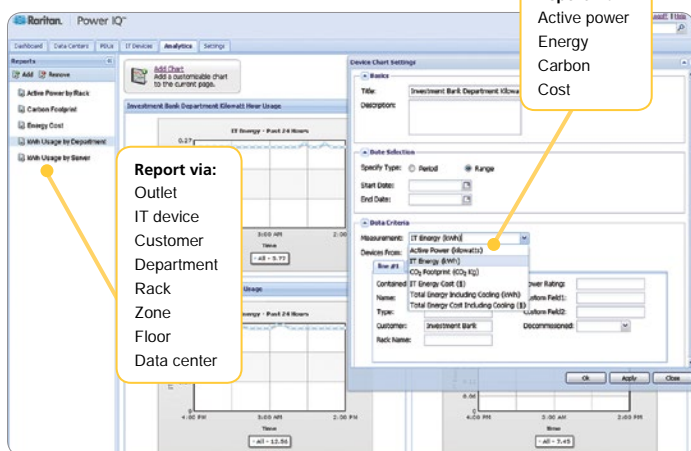- Import and export data via CSV file

Power and Environmental Data Aggregation
- User-configurable collection intervals ensure desired accuracy while minimizing network traffic
- Aggregate active power, current, temperature and humidity data

Monitoring and Management
- Monitor facility objects including sensors, meters, PDU/RPP/ Branch Circuits, UPS, and CRAC
- A central management console consolidates names, polling status, location, model and firmware onto one screen, saving valuable management time
- Bulk configuration and firmware distribution for Raritan PX PDUs
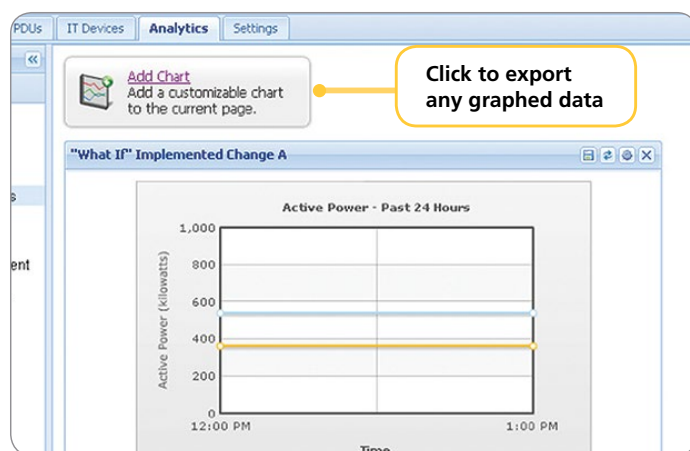- Power and environmental events and notifications

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

Call 1.800.724.8090 or visit www.raritan.com/power-iq

Raritan is a proven innovator of power management solutions, DCIM software, and KVM-over-IP for data centers of all sizes. Based in Somerset, NJ, Raritan has a global presence across 38 offices, serving 76 countries and 50,000 locations worldwide. Raritan's award-winning hardware and software solutions increase energy efficiency, improve reliability, and raise productivity. For more information, please visit www.raritan.com or call 800-724-8090.

*To qualify for advanced replacement under the standard warranty, you must register the product at https://www.raritan.com/support/warranty-registration. Specifications are subject to change without notice.