StruxureWare for Data Centers
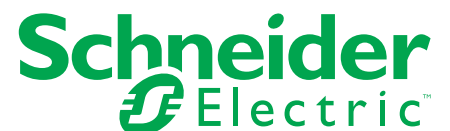
Data Center Infrastructure Management (DCIM) software

Tap the full business value of your data center.

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Schneider Electric™

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StruxureWare

Intelligent data center management without the complexity

From managing complex IT to cutting enterprise-wide energy and operating costs, you face daily data center challenges. Now, get the most from your data center and simplify operations with StruxureWare™ for Data Centers software. It's an advanced data center infrastructure management (DCIM) suite that gives you the end-to-end visibility you need to optimize, operate, and manage your data center from rack to row to room to building.

The bridge between facilities and IT

StruxureWare for Data Centers software provides a simple, integrated experience for many users and groups who manage both the facility and IT infrastructure environments, as well as executives who depend on their company's data center to provide business value. Not only does the software suite streamline operational efficiencies, it enables intelligent energy management for real OpEx savings.

StruxureWare for Data Centers software applications are unified across three levels to give the right information to the right users at the right time:

Control level: Experts, on site or remotely, can control process performance and ensure business continuity in real time, while tracking energy consumption in a highly ergonomic and secured environment.

Operations level: Functional managers can optimize operations, energy, and assets through smart analytical tools and planning capabilities, spanning multiple sites.

Enterprise level: C-level executives can drive their corporate and environmental sustainability strategy efficiently, choosing the best scenario that meets their business objective to conserve enterprise-wide resources.
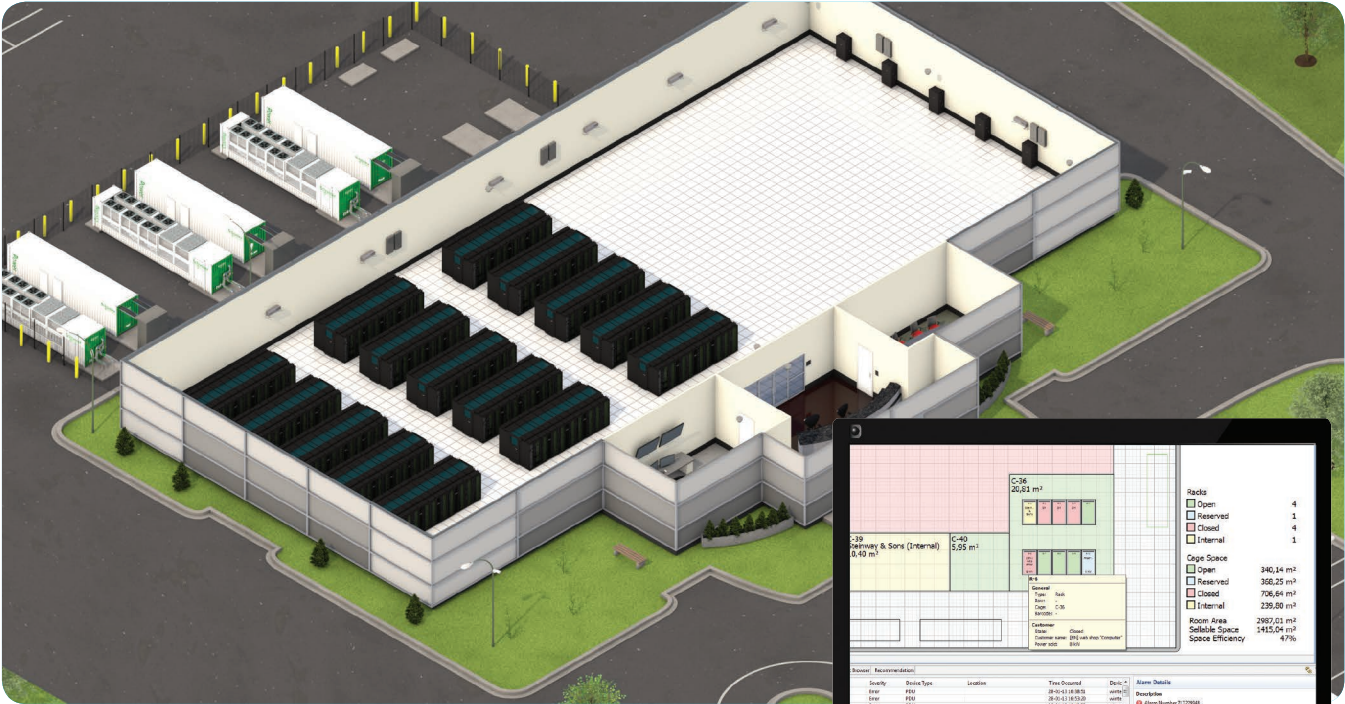
StruxureWare for Data Centers Software Benefits

> Track your carbon and resource use to cut costs.

> Optimize existing data center physical infrastructure to reduce OpEx and delay future CapEx.

> Display, monitor, and manage PUE across facilities/IT.

> Dynamic virtual machine management maximizes application and system availability.

> Monitor and automate equipment for reduced costs and highest availability.

> Provide graphical representation of systems for proactive monitoring and management.

> Instantly calculate recommended IT installation locations for greater agility.

> Support your business process for space and cage management for multi-tenant facilities.

StruxureWare for Data Centers Suite

The StruxureWare for Data Centers software architecture is scalable and modular to enable you to tailor the suite to your distinct business needs.

Base Software | Modules

Enterprise

Resource Advisor

- Goals
- User Data Entry
- Project & Scenarios
- Business Analytics
- Environmental Trading

Operations

Data Center Operation

Co-location
Data Center Operation

- Capacity
- IT Optimize
- IT Power Control
- Change
- Energy Efficiency
- Energy Cost
- Insight
- Mobile
- VIZOR
- Cluster/Disaster Recovery

Control

Data Center Expert

- Security (Surveillance)
- Modbus™ TCP Out

Cooling Monitoring Expert

- Mechanical Systems Control
- Facility Optimize
- Smoke Control/Fire Detection
- Physical Access Control
- CCTV Integration
- Electrical Distribution Integration
- Web Services Integration

Power Monitoring Expert

- Generator Test
- Generator Power
- UPS Power
- Power Losses
- OPC Tunneller
- SNMP Protocol

With StruxureWare for Data Centers software, you can see across your data center and/or multiple data center sites from server to building and, in turn, make informed decisions related to asset utilization, capacity, resources, and energy.
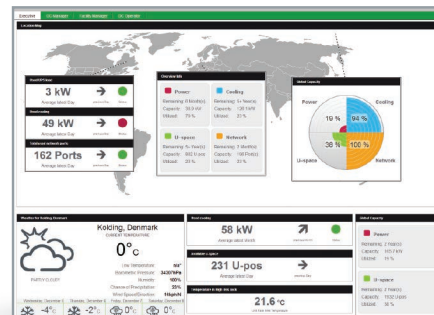
> **Multi-site visibility:** Get the enterprise view you need to streamline management.

The right information at the right time

The StruxureWare for Data Centers software suite gives each user simple, easy access to the right information at the right time in order to make informed decisions related to resource optimization, energy management, and operational performance and efficiency.
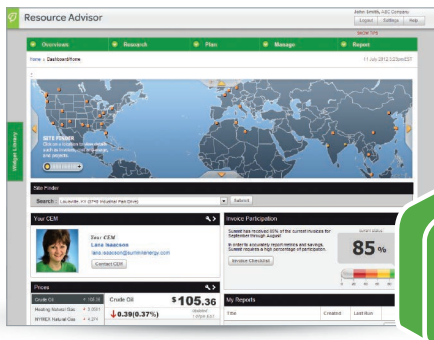
A view that works for you

The StruxureWare Portal gives you an easy-to-read live overview of data center operations using widgets and data sets. Providing an overarching view of all other applications, it gathers the specific information you need to see based on your specific role and responsibilities.

> **Portal:** Get a live overview of data center operations using widgets and data sets.

A closer look at StruxureWare for Data Centers suite

StruxureWare software applications and suites address unique business needs across buildings, industrial plants, and data centers. Each targeted suite delivers seamless integration with third-party offers and legacy systems as well as a scalable platform and consistent user experience. Part of this larger StruxureWare family, StruxureWare for Data Centers software includes applications that deliver the actionable information expert users, facility, and IT teams need to keep the data center operating with an ideal balance of high availability and optimal efficiency. Specifically, it comprises the following applications:
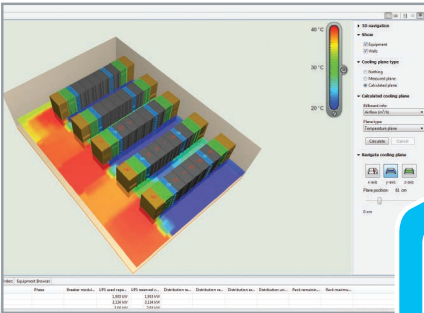

> **Resource Advisor:** Manage energy intelligently for data center and enterprise sustainability.

> Resource Advisor

Energy procurement service

This application offers a window to enterprise energy and sustainability, allowing enterprise stakeholders to track and manage utilities costs and track carbon emissions throughout their facilities, including data centers.

> **Data Center Operation**
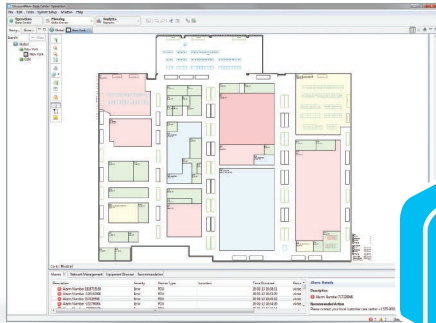Simulate, plan, and optimize infrastructure capacities to rightsize the data center.

> Data Center Operation

Make informed data center decisions

With the ability to integrate with both Schneider Electric and third-party equipment throughout the data center physical infrastructure, Data Center Operation bridges the gap between IT and facilities by providing complete visibility for proactive monitoring, streamlined management, and system control down to the server level. This application supports data center business processes and strategic decision-making by allowing stakeholders to manage data center assets, operational costs, and capital costs. It removes historical management silos and helps to create energy awareness across the entire data center physical infrastructure.

This visibility enables informed decision-making from a "building-to-server" perspective, which can be enhanced by product modules and enhancement options to scale to specific user requirements and flexibly meet business needs.
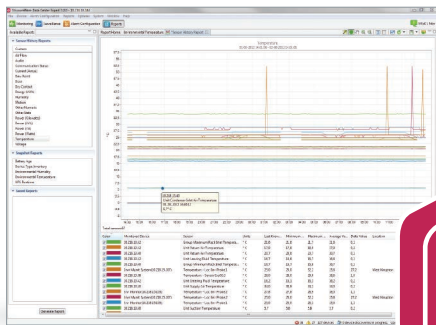
> **Data Center Operation for Co-location:** Manage energy, resources, and capacity with real-time data.

> Data Center Operation for Co-location

Manage co-location facilities easily and cost-effectively

This tailored version of the Operation application empowers you to run co-location or multi-tenant data center more effectively, efficiently, and profitably than ever before. It provides additional space and cage management, integrated tenant billing, and reporting capabilities for optimized performance and efficiency.
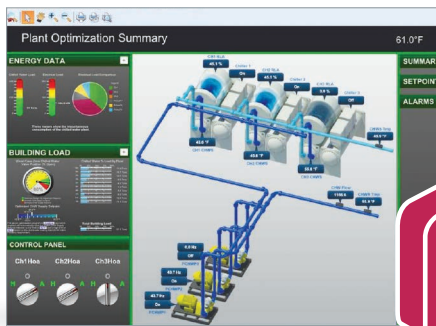

> **Data Center Expert**: Optimize data center operational and energy efficiency.

> Data Center Expert

Protect system uptime proactively

This application provides centralized monitoring of the IT layer, through real-time data collection from devices, sensors, and surveillance videos for a unified view of the physical infrastructure.
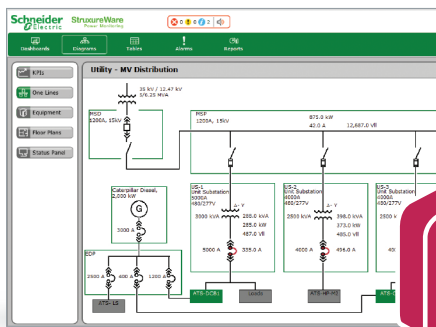

> **Cooling Monitoring Expert**: Integrate facilities to better manage cooling across the data center physical infrastructure.

> Cooling Monitoring Expert

Look beyond the IT space

This application allows advanced cooling monitoring and automation to optimize cooling effectiveness and efficiency at the building level.
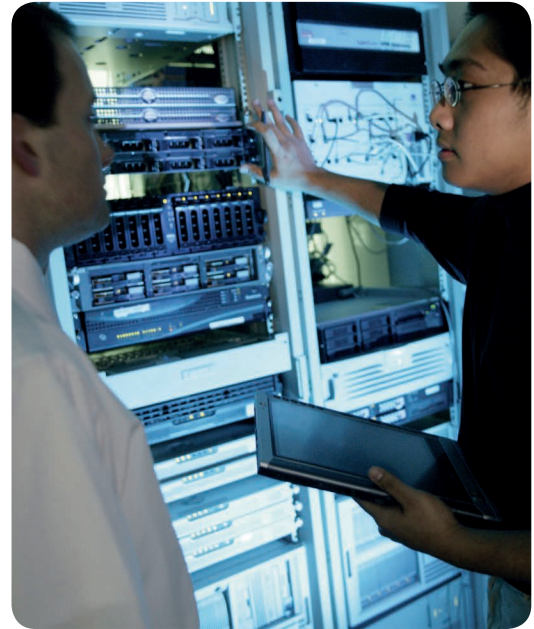

> **Power Monitoring Expert**: Protect availability at all times by monitoring power quality from service entrance to rack.

> Power Monitoring Expert

Ensure clean and high-quality power

This application provides advanced power monitoring and power quality analysis as it relates to the health of the end-to-end data center physical infrastructure.

Peace-of-mind software services

Schneider Electric offers a comprehensive portfolio of services to protect your investment, efficiency, and availability. Our software services are designed to ensure your applications receive the care they need to operate at optimal levels — at all times — from installation to ongoing operations.

> We offer comprehensive software services that accelerate the value of your StruxureWare for Data Centers software.

Software installation

> Accelerates the value of your newly purchased StruxureWare for Data Centers software via our repeatable, industry best practices for installing and registering in accordance to manufacturer specification.

> Ensures that all software products are installed correctly by a highly skilled field service engineer and are quickly ready for use in your dynamic data center.

Software configuration

> Configures the system quickly and precisely to emulate your unique data center, in turn allowing you to make critical decisions that will save you time and money.

> Gives you the data you need to run an efficient data center today, while planning for tomorrow.

Software integration

> Provides planning, designs, and project management for the integration of StruxureWare for Data Centers software into your existing software or system, providing you with a customized view into your existing applications.

Software education

> Offers expert training to enable you to get the most from your investment by learning operational skills and best practices for your solution.

> Allows you to focus on key features of StruxureWare for Data Centers software.

Business-wise, Future-driven.™

For more information ...

Get an in-depth look at Schneider Electric StruxureWare for Data Centers software!

Visit:

Visit *www.apc.com/struxureware* to learn more about our StruxureWare for Data Centers software! To view the full StruxureWare software applications and suites, visit www.schneider-electric.com/struxureware

Read:

Visit *whitepapers.apc.com* to download:

"How Data Center Infrastructure Management Software Improves Planning and Cuts Operational Costs" (White Paper #107)

"Avoiding Common Pitfalls of Evaluating and Implementing DCIM Solutions" (White Paper #170)

"Virtualization and Cloud Computing: Optimized Power, Cooling, and Management Maximizes Benefits" (White Paper #118)

"Guidelines for Specification of Data Center Power Density" (White Paper #120)

"Allocating Data Center Energy Costs and Carbon to IT users" (White Paper #161)

"Estimating a Data Center's Electrical Carbon Footprint" (White Paper #66)

View:

Visit Schneider Electric TV at *tv.schneider-electric.com* to watch our StruxureWare for Data Centers software videos and customer testimonials!

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Contact Us:

To find out more about StruxureWare for Data Centers software, , please do not hesitate to contact us. The Schneider Electric Sales Team can give you all the background information you need to make an informed and smart investment in DCIM software.

Make the most of your energy ℠

Schneider Electric