



# EcoStruxure™ IT Advisor

A digital twin to optimize, model, and plan your data center of the future

EcoStruxure IT Advisor is not the traditional Data Center Infrastructure Management (DCIM) tool you are used to. This next-generation DCIM solution leverages emerging technologies to offer more advanced functionalities and allows for hybrid IT management in a more automated, smart, and flexible manner.

Deploy the software the way you like, as an on-premises or cloud-based solution.

[se.com/dcim](https://se.com/dcim)

Life Is On

**Schneider**  
Electric

## Remove worries from your daily worklife



Downtime and equipment failure



Lack of visibility into inventory and available capacity



Unplanned costs you need to justify to your customers and managers

“

**Gartner.**  
**Peer Insights™**

“A MUST have for customers with enterprise infrastructure. Our implementation of IT Advisor and Data Center Expert at our premier site has been invaluable from a data collection and troubleshooting perspective.”

Senior Systems Engineer,  
Finance

Gartner Peer Insight Review

To read the full review, visit [Gartner Peer Insights](#).

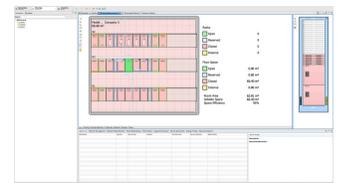
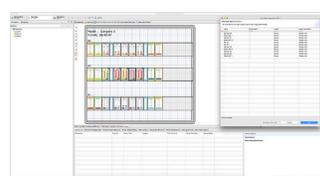
## Choosing the right solution

EcoStruxure IT Advisor is a next-generation data center planning, modeling and optimization software that enables you to react to events before they escalate into high-visibility problems, allowing you to be the person that your customers and internal stakeholders love to never hear from.



This software provides you with one single source of truth for information related to your data center assets — eliminating dependency on spreadsheets and simplifying how you are managing your assets today.

Equip yourself and your team with:



### Capacity planning

Know where to place the next server by planning and analyzing the infrastructure all while meeting your organizations sustainability objectives.

[Read more >](#)

### Change management

Reduce human error and deploy best practices across all moves, adds, and changes with workflow automation.

[Read more >](#)

### Risk planning

Can you safely shut down a device or do you need to reduce the IT load first? The Impact Analysis report indicates how incidents may impact your devices and infrastructure.

[Read more >](#)

### Colocation

Understand the current state of your colocation infrastructure. IT Advisor offers floor view with areas, cages and racks, and IT assets colored according to status, along with detailed floor and rack utilization reports.

[Read more >](#)

## Measurable Benefits for Data Centers



### Optimize Cooling

Reduce hotspots, overall temperatures, and energy, with average power reduction of **38%\***.



### Optimize temperatures and asset lifespan

Achieve a three year ROI of **80%\*\*** by adjusting the temperature in the data center to the ideal setting.



### Reduce power consumers

Identify and eliminate zombie servers to save up to **30%** on power, cooling, maintenance, and license cost.



### Limit risk of downtime

**25%** of all data centers have experienced an outage within the last year\*\*\* – reduce the downtime by understanding your UPS and data center capacity constraints.

\* This percentage is non contractual and based on Schneider Electric's experience and expertise

\*\* Source: 451 Research, DCIM Software: Adventures in ROI, Jan 2016

\*\*\* Source: Uptime Institute, Data Center Industry Survey, May 2017

## Asset management: Your challenge

With a staggering number of IT assets to keep track of, asset management has become quite the endeavour.

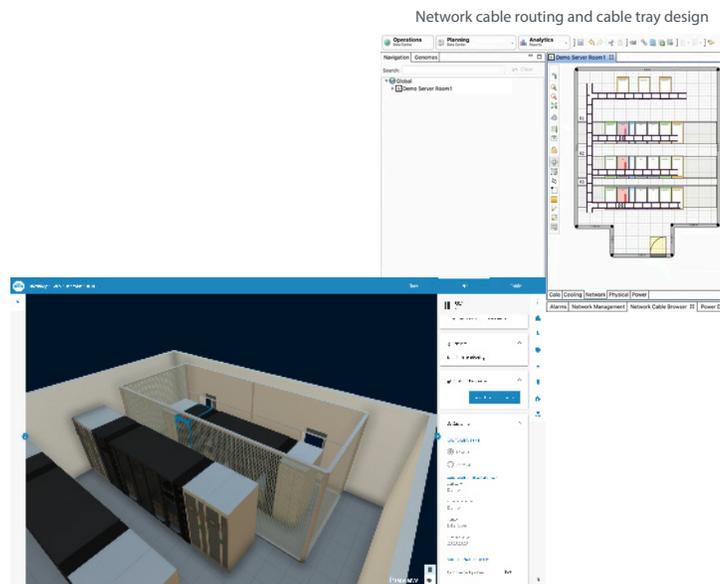
Excel spreadsheets, Visio diagrams and home-grown tools can be difficult to use and time-consuming to maintain. On top of that, they can be error-prone.

## Accurate. Better than being there.

EcoStruxure IT Advisor enables you to keep an **accurate inventory of data center assets and get global views** - even in 3D - across the entire infrastructure. Plus, integrations with EcoStruxure IT Expert & Data Center Expert or other monitoring systems give you power and temperature insights into your entire infrastructure in one single pane of glass.

### Key benefits

- Track detailed information on all your data center assets and create your own custom fields to get accurate inventory and model data.
- Easily import your existing data and leverage the 10,000+ models library and auto-discovery to get up and running fast.
- EcoStruxure IT Advisor works with the systems you have in place today.
- Comprehensively model network cable routing across a data center room in 2D using the desktop client



Web client more immersive 3D view of a data center environment

“IT Advisor gives me insights into what's happening in the data center and manage it without having to find the latest version of an Excel® spreadsheet someone has shared on a server somewhere.”

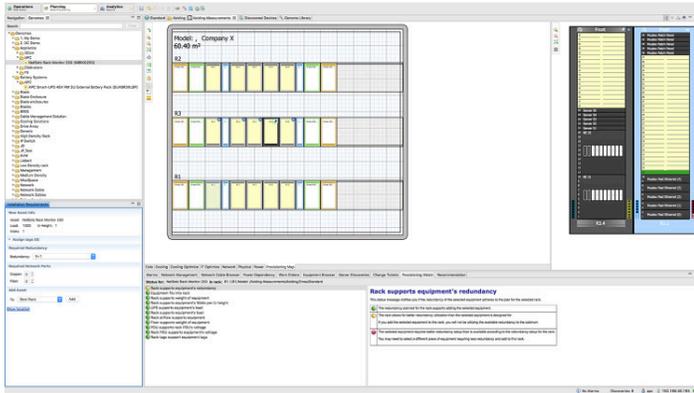
# Capacity management: Your challenge

Data Center staff can be unproductive at times:

- Many hours wasted on creating, updating, and managing rack diagrams in Visio.
- Manual capacity calculations are causing delays in server deployment.
- There is consistent uncertainty on available physical space and electrical capacity.

## Back to basics. Data Center capacity planning done right.

EcoStruxure IT Advisor provides intelligent tools for **capacity management** to reduce human error and increase staff productivity.



### Key benefits

- Instant server placement recommendation through real-time analysis of available data center capacity.
- Easily identify stranded capacity to extend the lifespan of your facility.
- Leverage out-of-the-box, pre-configured reports for faster analysis of capacity forecast, inventory, free U-space, server utilization.
- Integrations with VMware vSphere™ and HPE OneView™ from the IT layer and the physical infrastructure layer to automatically migrate impacted virtual machines from an impacted host server to a healthy



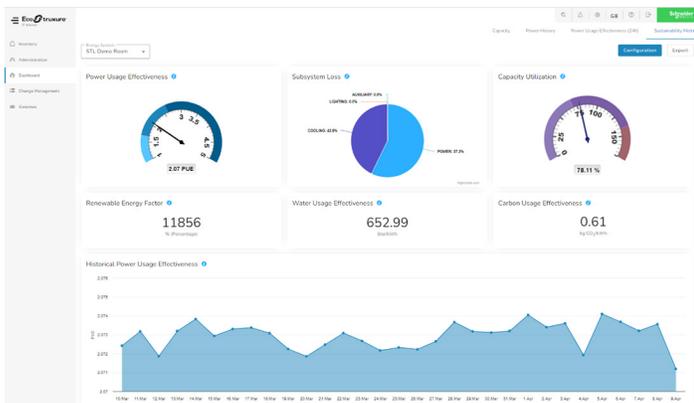
# Capacity management: Energy Efficiency

Data Centers consume substantial amounts of energy and with rising energy costs and increasing regulations staff are challenged with:

- Reporting sustainability metrics such as Power Usage Effectiveness (PUE).
- Having a deep enough understanding of technical information required in reporting.
- The manual calculations required for meeting reporting requirements.

## Sustainability metrics for enhanced transparency.

EcoStruxure IT Advisor provides a **sustainability dashboard** that aligns with sustainability objectives.



### Key benefits

- Increase visibility in sustainability performance.
- Ability to see efficiency trending over time at a subsystem level.
- Easily export sustainability reports in PDF or CSV.
- Supports reporting to the requirements of the European Energy Directive.

View the European Energy Directive, visit [European Commission](https://ec.europa.eu/eu-energy-directive).

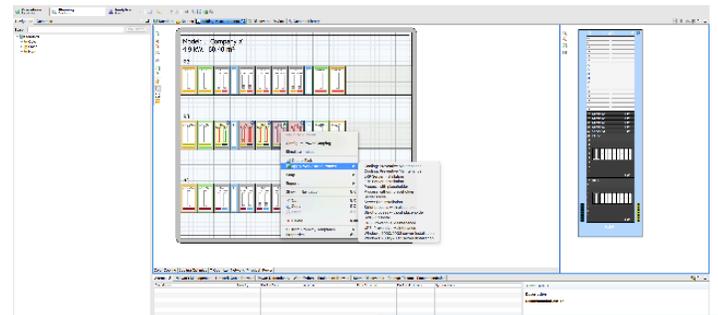
## Change management: Your challenge

Manual effort in change management process can result in the Data Center staff experiencing duplicate requests, bottlenecks, and delays. If this is familiar to you, then your team is missing a structured way to handle changes on the data center site.

## Keep cool. Easy change with IT Advisor.

### Key benefits

- Create work orders and automatically generate tasks to move, add or change IT and infrastructure equipment.
- Define processes to ensure human error is reduced and best practices are deployed across all moves.
- Track asset moves, adds and changes by date/time, owner and work orders for view, print and export.
- Leverage an interactive interface showing past and pending changes to assist with resource and workload balancing, avoiding scheduling conflicts.



Provides auto-discovery of assets managed by Cisco UCS Manager™

Integrate with existing management systems such as ITSM and CMDB



servicenow



## Risk Planning: Your challenge

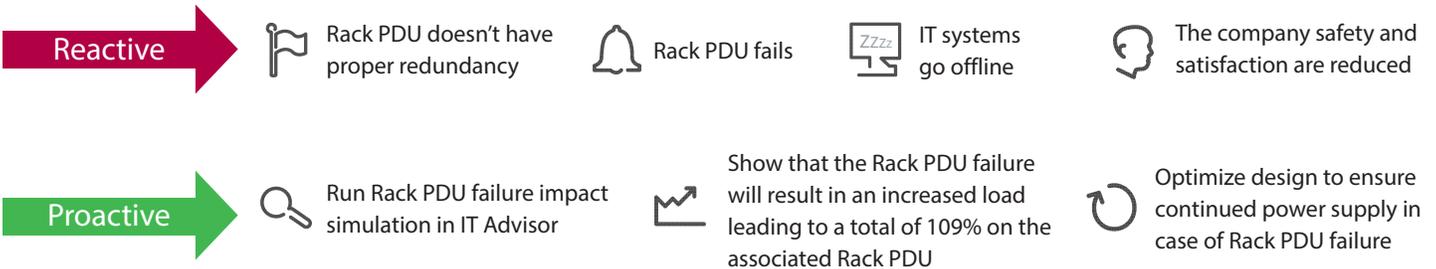
Power loss was the single biggest cause of data center outages, accounting for one third of outages in 2019. Networking issues were close behind, at 31% according to an Uptime Institute survey\*.

60% of survey respondents said their data center's outage could have been prevented with better management/processes or configuration.\*

\*Source: <https://datacenter.com/wp-content/uploads/2019/06/data-center-survey-2019.pdf>

### Become more proactive.

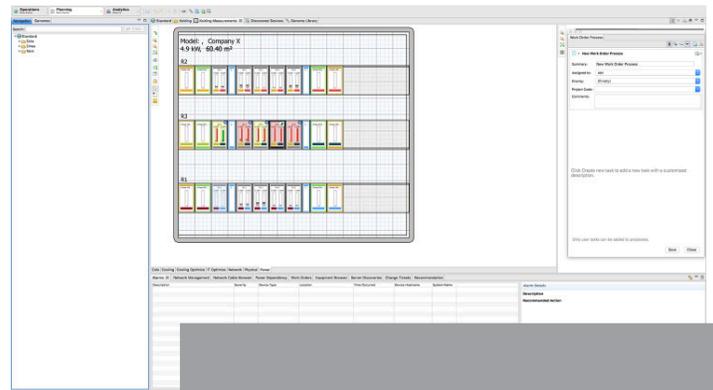
Common scenario example: Rack PDU failure



## Cover your bases when it comes to uptime.

### Key benefits

- EcoStruxure IT Advisor gives you insights into how incidents may impact your devices and infrastructure.
- Budget power at every connection point and avoid overloading a power circuit to maintain uptime.
- From end to end, document and understand every node in your network to identify single points of failure and decrease troubleshooting time.



"In IT Advisor, we like being able to click on a PDU, or even a power strip, and simulate what is affected."

## Colocation: Your challenge

For colocation providers, giving their customers the best experience - high-availability, best offer in the market, and an outstanding tenant experience - is essential. To do this, it takes a team.

The Facility Manager needs to maintain zero downtime while optimizing capacity and facility performance.

The Operations Leader needs to ensure operational excellence through SLAs compliance, documentation, and billing.

The Sales Engineer needs to attract new customers and differentiate themselves from the competition.

## Optimize your capacity

EcoStruxure IT Advisor helps Facility Managers **be ready for any scenario, and be less reactive and more proactive.**

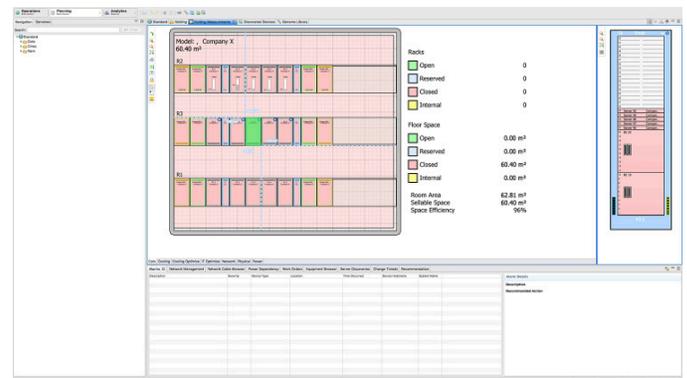
### Key benefits

- Map tenant's assets on a room, cage or server level for an in-depth understanding of tenant impact in the event of an outage.
- Know what physical space and electrical capacity are available.
- Track all cage and facility equipment changes over the data center lifecycle, both for transparency and easy identification of risks for proactive mitigation.
- Import CAD drawings, apply grid-based naming for floor-mount equipment and utilize cage drawing tools and cage power modeling.



## Operational excellence

- Gain visibility into the inventory and all equipment associated with a specific tenant using EcoStruxure IT Advisor tenant inventory report.
- Simulate cooling and equipment failure to quickly identify which tenant could be impacted and proactively take action to prevent any risks.
- Share information relevant to your customers with EcoStruxure IT Advisor Tenant Portal, such as insights on their inventory.
- Accurately bill tenants by integrating your billing system and EcoStruxure IT Advisor leveraging the [Custom Solutions](#).



## Differentiate yourself

- Don't miss a sales opportunity: Easily visualize what space and racks are available. The color labels tell you whether a rack or a floor space is open, reserved, closed or meant for internal use.
- Show potential new customers their future space in your data center in 3D, from wherever you are.



# Cooling: Your challenge

The challenge is to keep mission-critical devices in a data center optimally cooled while at the same time trying to be more sustainable and save energy costs.

## Additional Solution: EcoStruxure IT Advisor—Cooling Optimize

Cooling Optimize continuously optimizes airflow in the data center facility, delivering improved **reliability and availability**.

### Key benefits

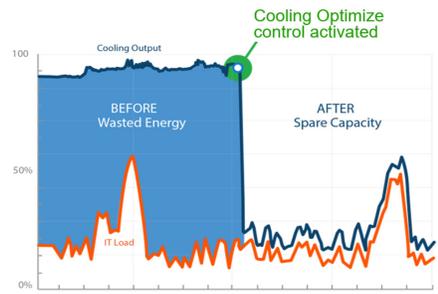
- Uses machine learning to automatically and dynamically match cooling output to IT load in real-time.
- Reacts to real-time data, eliminates hotspots, and identifies facility risks.
- Delivers quantifiable and operational benefits across your facility portfolio.
- Utilize NetBotz™ wireless and wired environmental monitoring sensors to incorporate temperature/humidity monitoring in the solution.



## Energy consumption and cost savings

Cooling optimization can decrease the cooling consumption with dynamic airflow balancing resulting in:

- Cooling adjusted to the current IT load demand
- Optimized cooling units usage and ability to turn off unnecessary units
- Individually controlled fan speeds



## Operational efficiency

Cooling Optimize can make your data center more operationally efficient and sustainable with:

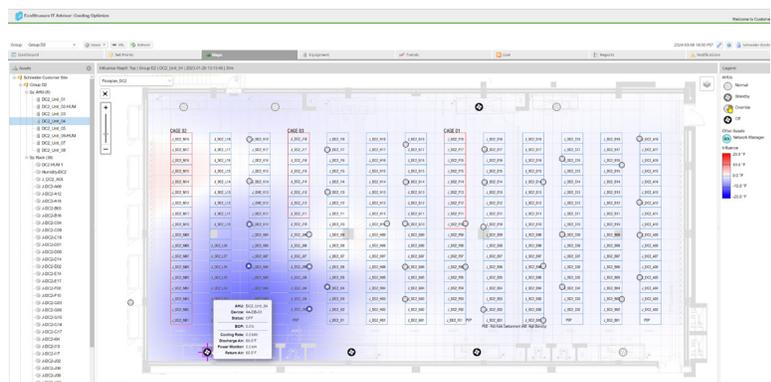
- Improved PUE
- Reduced wear and tear of cooling units
- Extended life of cooling units
- Feed up capacity on existing cooling units



## Improved availability

Cooling optimize can identify potential improvements in the operation of the data center cooling environment and:

- Reduce hot spots
- Prevent potential facility risks
- Improve SLA compliance
- Architected for maximum uptime



## Combine a powerful DCIM solution with Custom Solutions tailored to your needs

For your operations, a one-size-fits-all solution is not always all you need. Our team of highly skilled engineers develop Custom Solutions designed to do exactly what you want to make your day easier.

As a Data Center Manager, gain operational excellence and digitize your infrastructure by improving the synergy between your IT and Operations teams, automating data collection and reports, and gaining one source of truth for information.

As a Colocator, ease your processes and improve your customer experience by automating your processes, providing custom billing/report to your customers, and differentiating your business with modern and user-friendly solutions.



## Custom Solutions and benefits

Custom Solutions	Benefits
Reports	Stop wasting time pulling data from different systems. Work with our team of experts to define your ideal automated report and make it future-proof by leveraging sustainable integrations between your systems.
Dashboards	See all your key metrics in one view. Collect and store current and historic data generated by EcoStruxure IT and any other system to create custom dashboards so you get the operational insights you need to control risk, optimize and manage your business.
Integrations	Automate business processes by integrating your other relevant software together. Integrations with EcoStruxure IT help you improve in multiple areas, including asset management, change management, and corporate dashboards and reporting.
Web features	Wishing for a specific feature to be added to your solution? Make your wish come true. Leverage the knowledge of our software engineers to develop and customize your EcoStruxure IT software to enhance part of the existing functionality or create a completely new feature.
Migration	Hit the ground running with your new EcoStruxure IT solution by migrating your current data and configuration from your legacy DCIM tool to your new EcoStruxure IT system. Our core team of highly skilled software engineers uses specialized tools and processes to deliver best-in-class migration of data from any 3rd party system, giving you a strong foundation to start using EcoStruxure IT to manage your data center operations.

To learn more, visit our Software [Customization webpage](#).



# Deploy EcoStruxure IT Advisor your way

## Cloud-based or on-premises

EcoStruxure IT Advisor provides you with flexible deployment options. Choose to deploy it as an on-premises solution or benefit from the ease of the Schneider Electric cloud to get you up and running in minutes, with no server deployment needed.

Modules	Description	IT Advisor On-premises	IT Advisor Cloud-based
Base Software	Asset management, colocation-specific capabilities, cost calculation, and cluster environment management	•	•
Capacity	Simulation, optimization, and planning of infrastructure capacities	•	•
Change	Change management with fully integrated workflow automation	•	•
Energy Efficiency	Supports sustainability goals	•*	X
Cooling Optimize	Continuously optimizes airflow in the data center facility	•**	X

\*Merged into the base module and no longer appears as a separate module. It is included in the cost of the base software.

\*\*Sold separately from IT Advisor Base, Capacity, and Change modules.

## To model just a few closets or large colocation environments

Model your facility accurately with EcoStruxure IT Advisor. Our scalable solution allows you to model up to 250,000 racks.

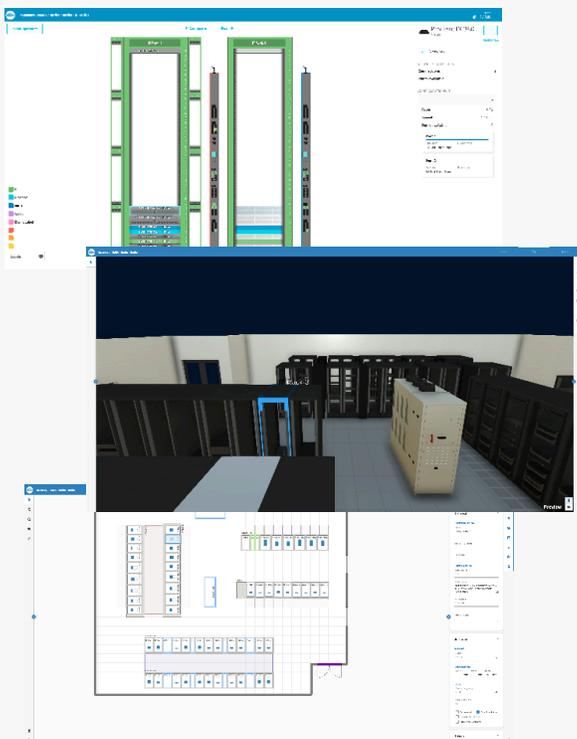
## As a standalone or not

Combine EcoStruxure IT Advisor with monitoring, security, environmental software and solutions EcoStruxure IT Expert, Data Center Expert, and NetBotz™, our critical IT power and cooling monitoring software, and take advantage of a turnkey solution for total data center management.



EcoStruxure IT

## Your data center on the go!



## Get the high-level overview of your data center on the go!

Use the web client for online lightweight access to some of the features in the EcoStruxure IT Advisor without having to launch the desktop client.

Hear what our customers are saying about the flexible deployment options of IT Advisor:

EcoStruxure IT Advisor

**"Flexibility for power users (desktop application) and general users (web UI) make it easy for us to broaden the scope of those in the tool."**

★★★★★

*Senior Systems Engineer - Finance (non-banking)*

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## Accelerating Green IT

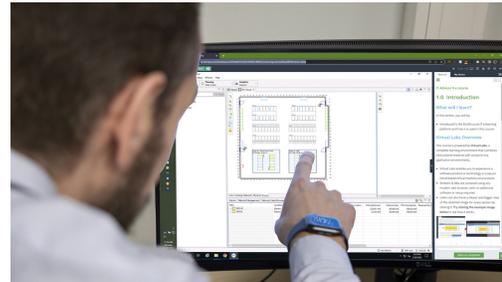
Many other businesses have corporate sustainability goals and net zero commitments and there is a great deal that the sustainability office is doing to achieve these. However what can be done by the IT organizations?

Learn how our own Schneider Electric CIO organization is driving corporate sustainability initiatives with EcoStruxure IT DCIM and contributing to a Green IT from within.

Read the [blog](#)



## Explore other offers



### ITA CFD

Data center cooling can only be predicted via computational fluid dynamics. Schneider Electric's ITA CFD software:

- Ensures sufficient cooling at the design stage
- Improves energy efficiency
- Performs "what-if" analyses
- Troubleshoots hot spots in existing facilities

To learn more visit [se.com](https://se.com).

### eLearning

EcoStruxure IT eLearning is a self-paced learning and hands-on exercises for DCIM software deployments, including:

- On demand training
- Hands-on learning
- Increasing productivity with better knowledge of the software
- Keep risks down training in demo environment before going "live"

To learn more visit [EcoStruxure IT Software Education](https://EcoStruxure.IT/SoftwareEducation).



Let's connect for a demo. Contact our experts.

[se.com/dcim](https://se.com/dcim)

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