

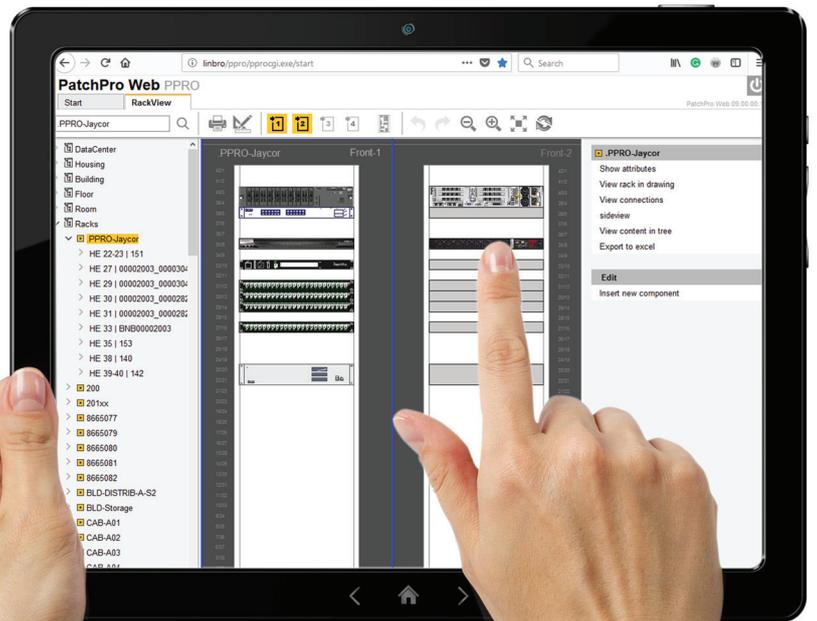
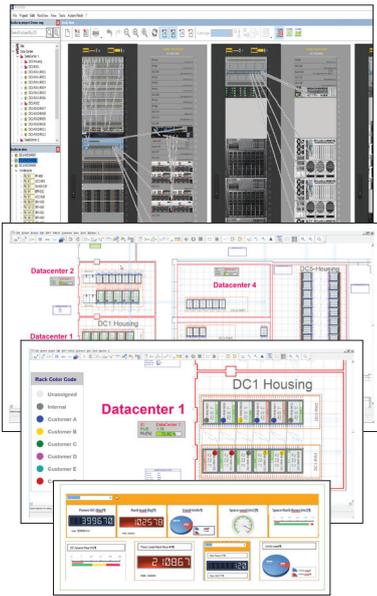
JAYCOR

INTERNATIONAL



Create and Build Smart Assets
and Your Digital Enterprise

Unlock Value with PatchPro[®]



Facility

- Rooms
- Costs
- Inventory
- Space
- Maintenance
- Contract
- Access
- Building Technology

PatchPro[®]
SaaS

Connectivity

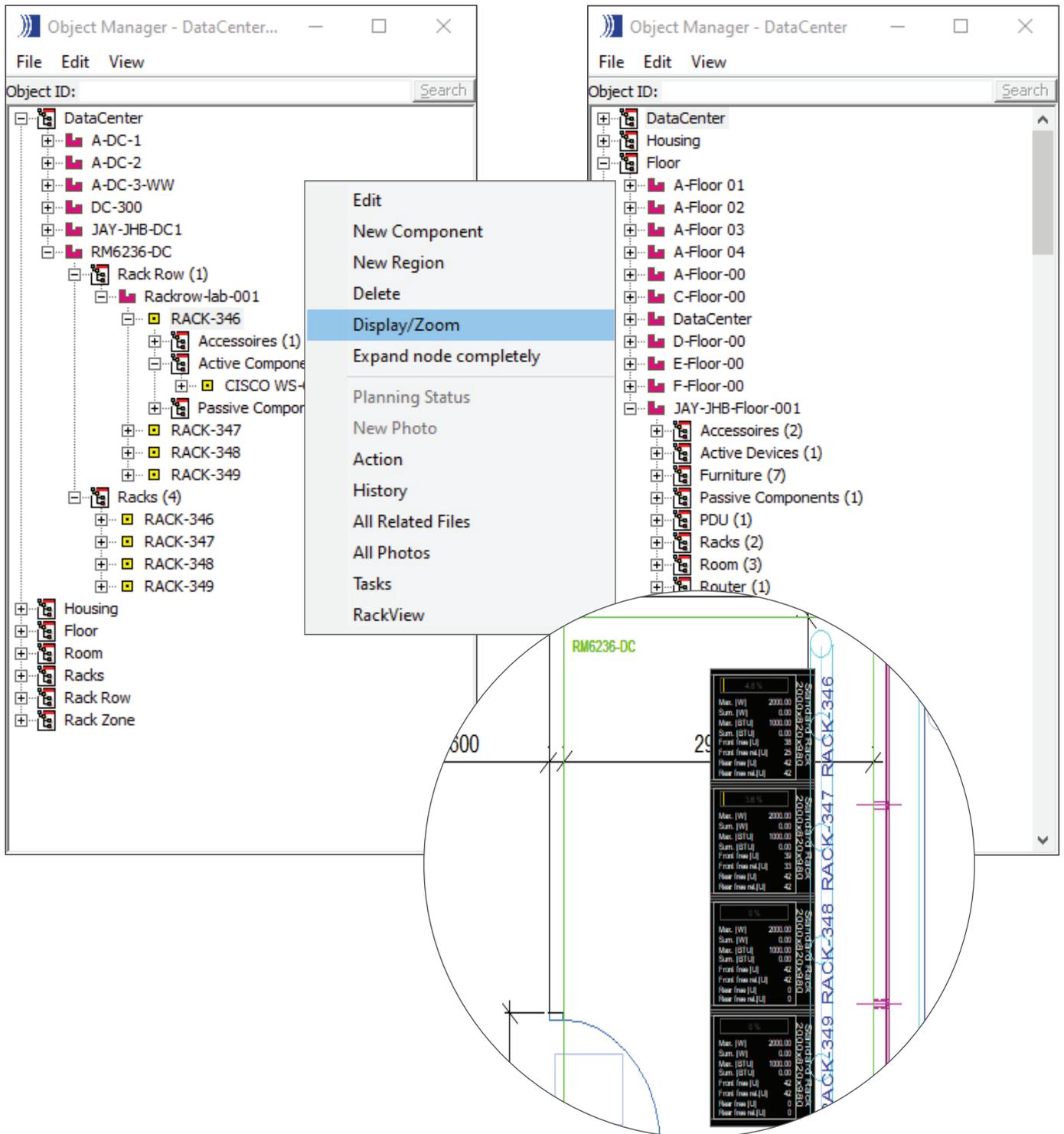
- Cable
- Patches
- Connections
- NW/PBX
- Troubleshoot
- Wiring
- Signals
- Report

PatchPro[®] - One Single Platform for all Data

Object Manager

The Object Manager easily searches for and navigate to any object or asset within your enterprise and access the unique object or asset's attributes.

PatchPro® stores assets as objects on the database within the assigned site, region, or room the asset is located, making PatchPro® a genius tool for asset management and tracking.

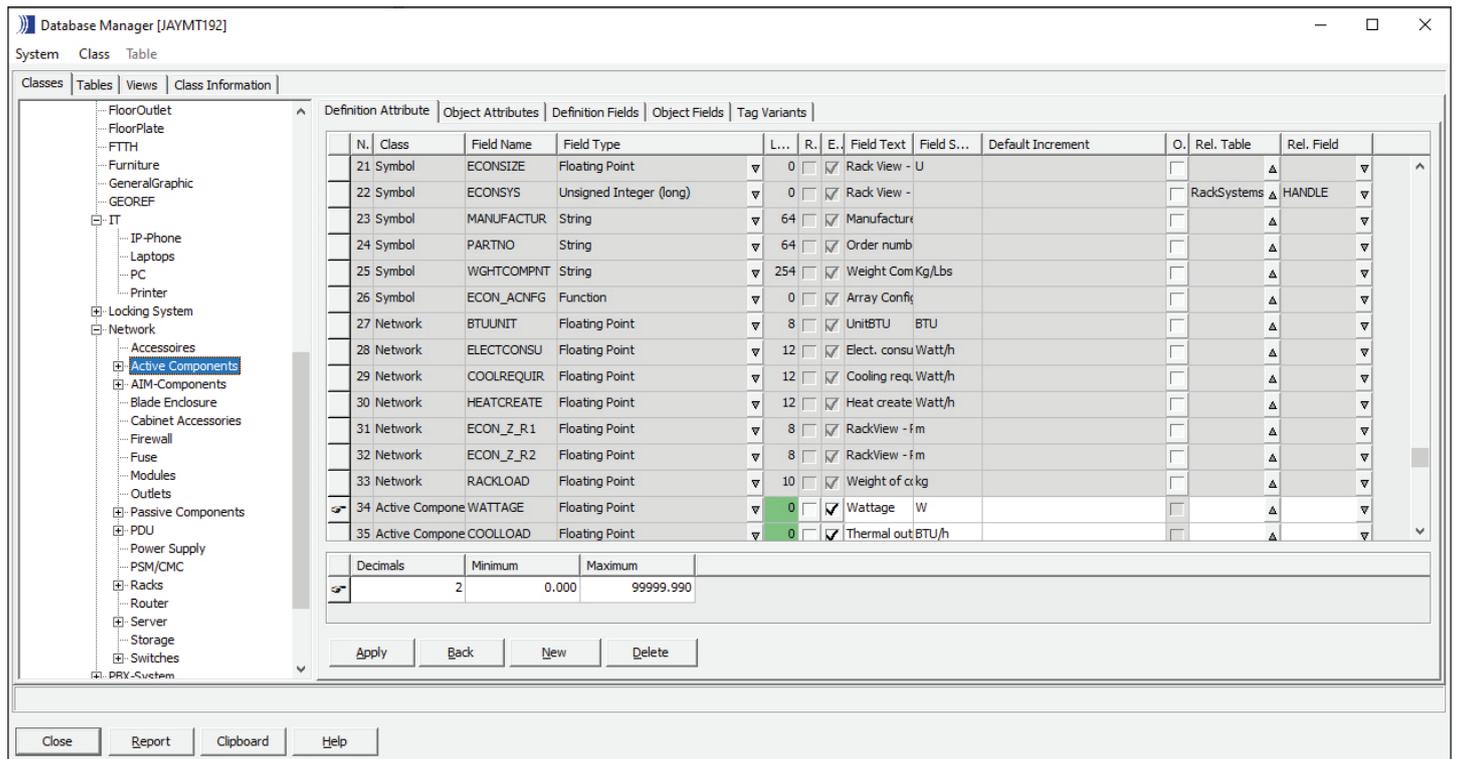


Database Manager

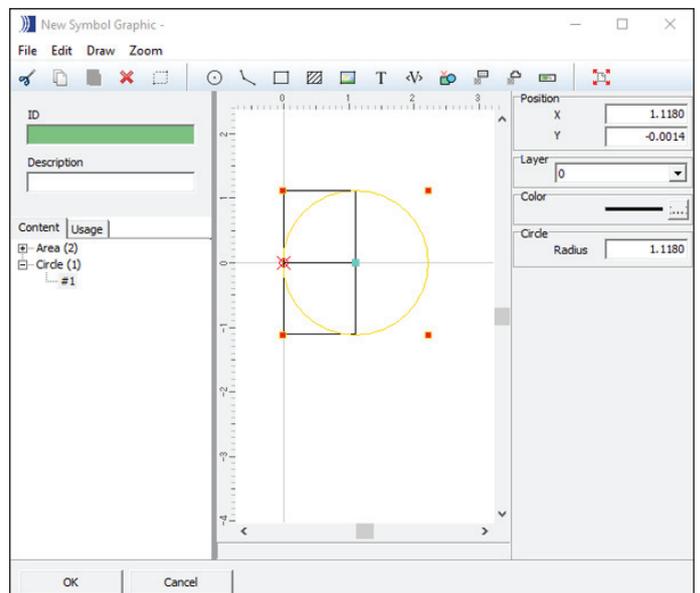
The Database Manager is used to customize and extend the database for specific projects. It is one of the central administration tools for the administrator.

It supports the creation of classes. Tables, fields, views, class information, relational databases and the definition of attributes. It also determines which data is stored in the

database (classes with the object and definition tables and their fields) and how this data is displayed (definition fields, object fields, and tag variants).



Any object can be drawn and converted into an object on the database and assigned its own unique set of attributes.

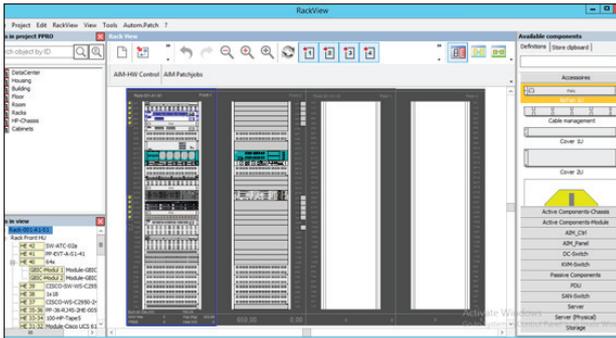


DCIM – Data Center Infrastructure Management

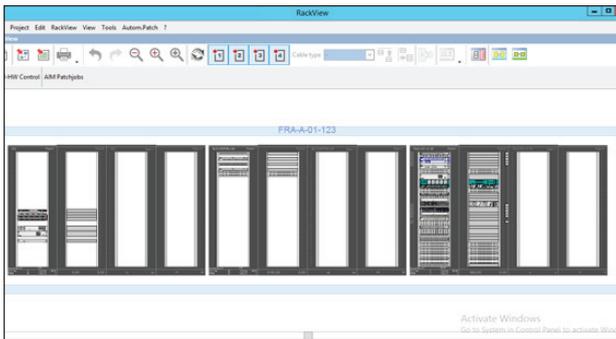
With a strong IT focus, PatchPro® achieves granular connectivity versus traditional DCIM solutions. Administer your facilities assets and PUE with unprecedented visualization and access to your connected network infrastructure, connectivity, and components.

Visualize and access racks, inventory and free rack units.

- Front and rear-front, back-front and back-rear, and side view

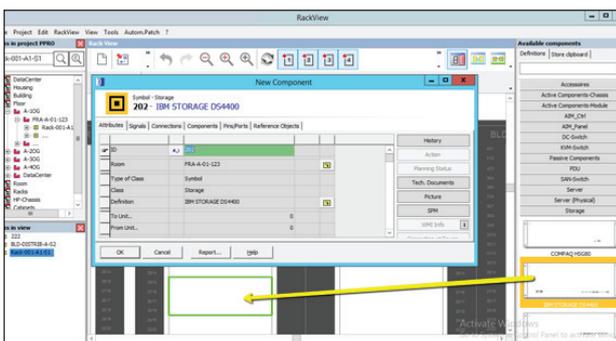


Visualize and work on multiple rows and racks.



Drag and drop components (servers, switches, PDUs, SFPs, patch panels) and more from your asset library, assign unique attributes, IP addresses and connect and pull data using SNMP.

New components are saved to the database in real-time with the objects unique set of attributes.



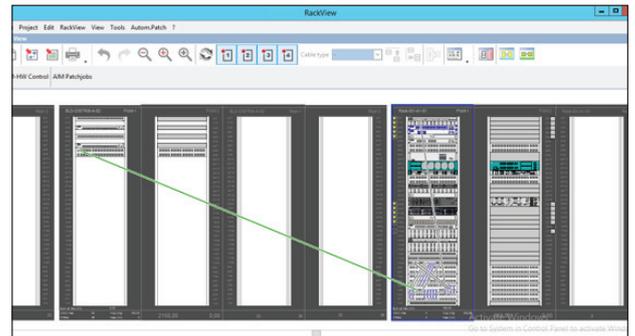
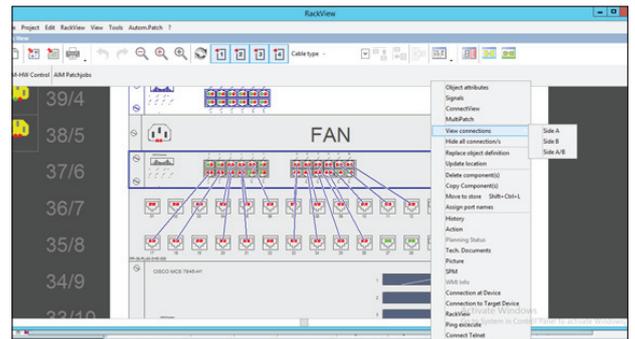
Visualize and connect and disconnect free and used ports on devices and patch panels

- Green – free port, Red – connected port

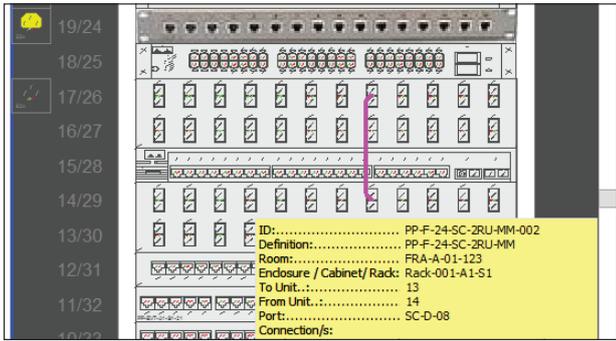


Visualize Connections (GUI visually maps connections)

- Patches between devices within the rack
- Cross-connects between devices and racks
- Front and Rear Connections
- 'View Connections' quickly visually maps connections (Side A, B or A/B)



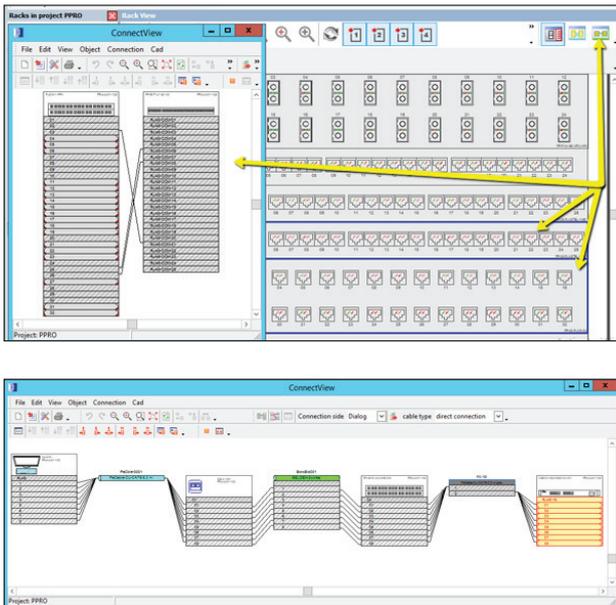
Mouse-hover over free ports to view its connection and the patch object's unique attributes.



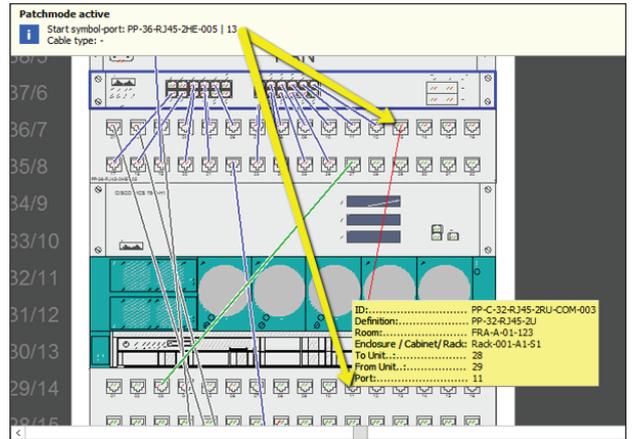
Select multiple objects and click ConnectView to map the selections connections

- Easily export to Microsoft Visio or Excel
- End-to-end connectivity literally 'down to the wire'

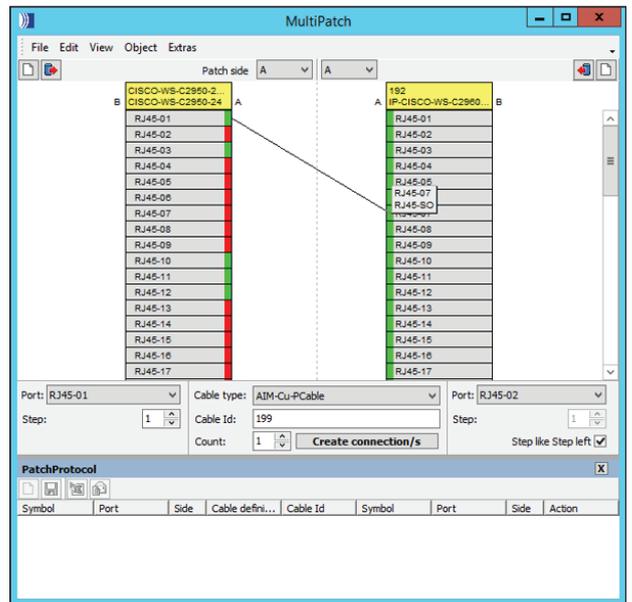
ConnectView maps any object's (PC, Server, Switch, cable, port, etc.) path from start-to-finish in unprecedented detail.



Create and visualize patches and cross-connects by clicking on and connecting free ports.

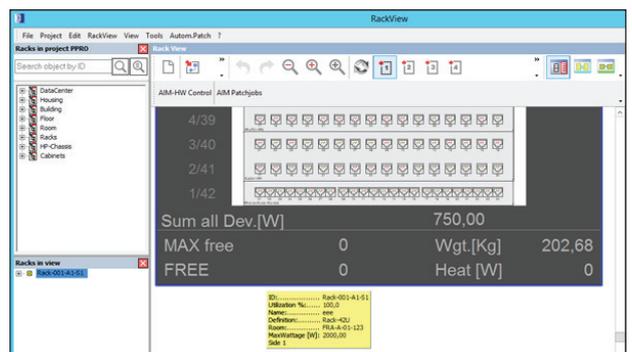


MultiPatch allows users to create multiple patches between objects, manually or through a .CSV or Clipboard upload.



RackView displays variable attributes from the database, customize to your preference.

- Energy consumption (W)
- Free rack units
- Total/Max weight
- BTU



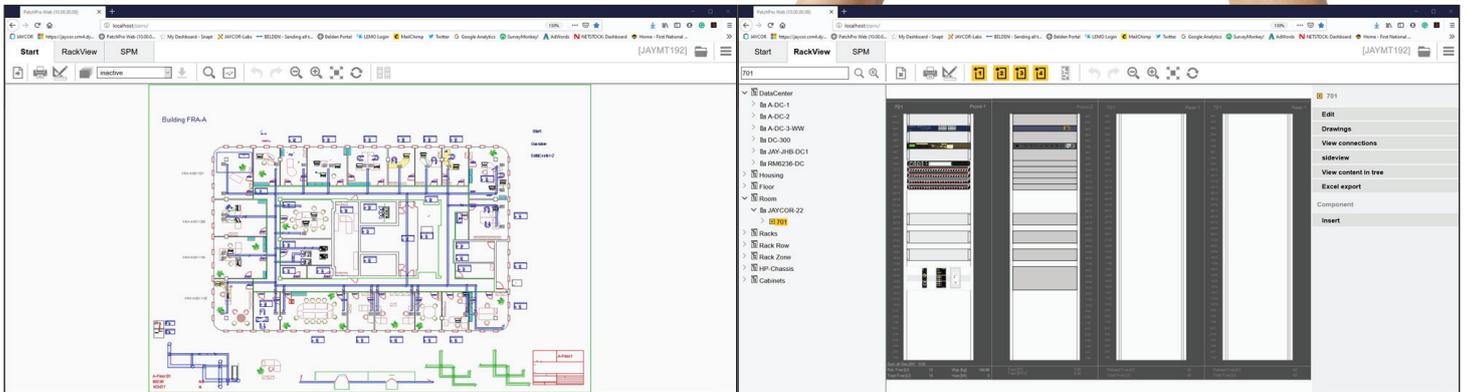
Web Application & SPM

Real-time web access to your infrastructure, assets and digital enterprise

The PatchPro® Web Application provides real-time access to your infrastructure, assets and digital enterprise on a user-friendly web-interface. This amazing feature empowers executives, managers, engineers, and other staff to access the critical information that they require and that PatchPro® delivers.

The results:

- Access & visibility
- Improve efficiency & reduce costs
- Empower employees & clients

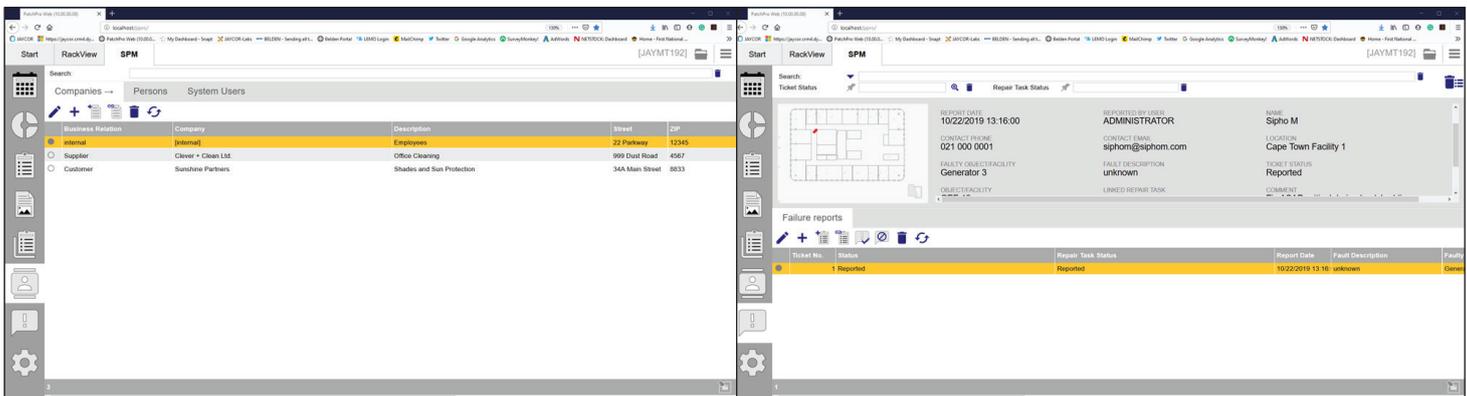


SPM – Service Planning Management

The SPM Application accesses the same regions, objects, and assets with their unique attributes within the database of your digital enterprise.

Facilities managers enjoy a suite of functionality to more effectively access critical information and manage the assets within the enterprise.

- Add vendors, people, documents, contracts and service level agreements
- Set tasks and activities for your administrators and center managers against SLA's
- Search for and locate any object within your digital enterprise
- Generate service tickets and assign work orders



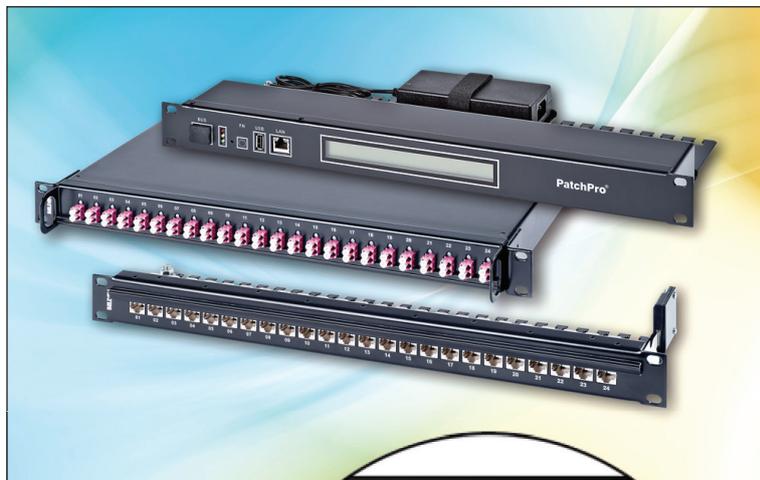
AIM – Automated Infrastructure Management

Real-time network security and transparency with PatchPro® intelligent patching

PatchPro® offers a complete intelligent ready physical layer management system that uses RFID (radio frequency identification) technology for wireless identification of individual patch cords and real-time monitoring of unintended physical changes in network infrastructure.

Smart patch cords are equipped with an RFID chip containing idiosyncratic identification information (name, standard, manufacturer, etc.), which is recognized by the panel and automatically fed into the software for seamless real-time database documentation. The RFID technology does not alter data center density or affect patch cord flexibility or reliability.

Network infrastructure changes are automatically detected and transmitted to the software platform, facilitating immediate action. Network managers also receive email and/or text alerts about unwanted changes. At the rack level, unwanted changes are signaled in three ways:-By a red light on top of the rack-As clear text in the Belden PatchPro® Network Manager display-With LED signaling at the patch-panel level.



IoT & BI – Business Intelligence and Data Analytics

Its all about the data – access, and leverage the data your enterprise produces

PatchPro® is database-driven, all regions, objects, and assets are converted into objects on the database with unique attributes and information. This is not only an incredibly powerful application for asset management, but also for business intelligence and data analytics, as the data is stored in easily accessible database tables, either SQL or Oracle, that connect the data sources to business intelligence (BI) applications such as Microsoft Power BI.

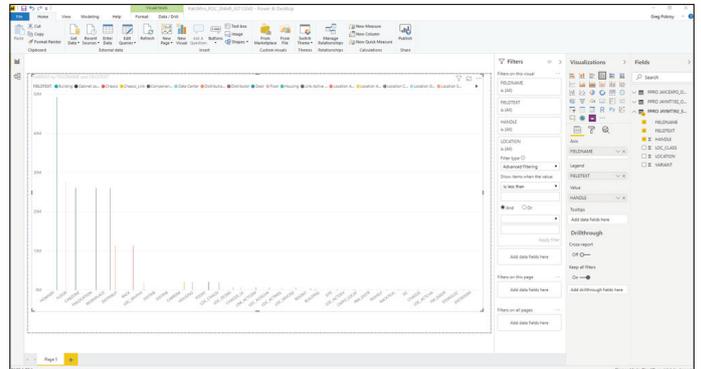
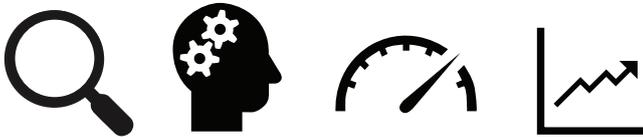
Model power analytics from the data from your digital enterprise, bench-mark sites, regions, departments, assets, square meterage, free for used space, cost centers, human capital experience, expertise, and education. PatchPro® is fully customizable, utilize this feature to create the custom fields critical to your analytics outputs.

IoT – Any intelligent devices monitoring, measuring, sensing, tracking or feeding data of any kind on your network, easily connect to the database through SNMP protocols. Other serial devices RS232, RS422, and RS485 can be integrated too using gateways and the PatchPro® API plugin.

This makes PatchPro® a powerful application for an enterprise to add and unlock value, building smart assets that produce real-time critical operational data specific to the organization’s requirements.

Automate, monitor and measure with edge devices at your sites and on your network.

- Power, water, fuel and data consumption
- Real-time monitoring and sensing
- Predictive maintenance



A screenshot of the PatchPro RackView application. The main window shows a rack of equipment with a highlighted switch. A 'Symbol Object' dialog box is open, displaying details for 'Planet-SW-001 - IGS-12040MT - Industrial managed switch'. The dialog has tabs for Attributes, Signals, Connections, Components, Pins/Ports, and Reference Objects. The 'Attributes' tab is active, showing fields like Object ID, Definition, Sum Cooling required, Management IP Address, sys_date, and various SNMP parameters.

A screenshot of the 'Pins/Ports' tab in the Symbol Object dialog. It displays a table with columns for Name, Reserved, Defect, Name, Bytes received, Bytes tran..., Error re..., Errors tr..., Drops received, and Dr... All. The table lists 13 ports, with Port 11 highlighted in yellow. The 'Pins' column on the right shows a list of pins for each port.

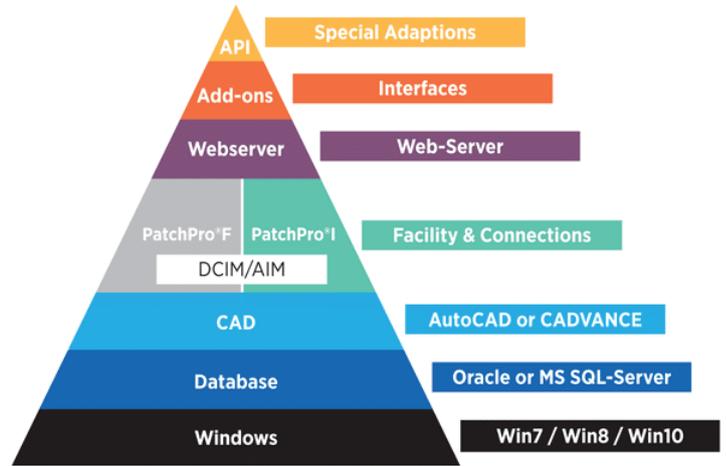
Name (Def.)	Reserved	Defect	Name	Bytes received	Bytes tran...	Error re...	Errors tr...	Drops received	Dr...	All	Pins
1 01		<input type="checkbox"/>	Port 1	851454307	955518646	0	0	0	0	0	1 01
2 02		<input type="checkbox"/>	Port 2	0	0	0	0	0	0	0	2 02
3 03		<input type="checkbox"/>	Port 3	0	0	0	0	0	0	0	3 03
4 04		<input type="checkbox"/>	Port 4	0	0	0	0	0	0	0	4 04
5 05		<input type="checkbox"/>	Port 5	0	0	0	0	0	0	0	5 05
6 06		<input type="checkbox"/>	Port 6	0	0	0	0	0	0	0	6 06
7 07		<input type="checkbox"/>	Port 7	0	0	0	0	0	0	0	7 07
8 08		<input type="checkbox"/>	Port 8	0	0	0	0	0	0	0	8 08
9 09		<input type="checkbox"/>	Port 9	0	0	0	0	0	0	0	
10 10		<input type="checkbox"/>	Port 10	0	0	0	0	0	0	0	
11 11		<input type="checkbox"/>	Port 11	955167123	851384672	0	0	132	0	0	
12 12		<input type="checkbox"/>	Port 12	0	0	0	0	0	0	0	
13 CONS		<input type="checkbox"/>		0	0	0	0	0	0	0	

Mechanics

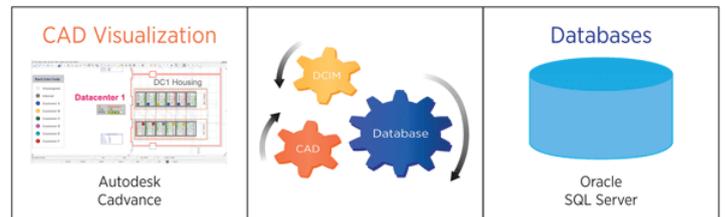
How PatchPro® Works

The key point is the Database

The database sends all information/changes to the graphical user interface (GUI) through CADVANCE and or AutoCAD. The advantage of PatchPro® is that you can manipulate the database by using the GUI which is quick and easy, objects changed on the system update in real-time.



PatchPro® is windows based and connects to either a SQL or Oracle database. The database connects to PatchPro® F (iPLM) and PatchPro® I (DCIM) applications, which integrate through CAD or CADVANCE. The Webservice, Add-ons, and API are installed separately.



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