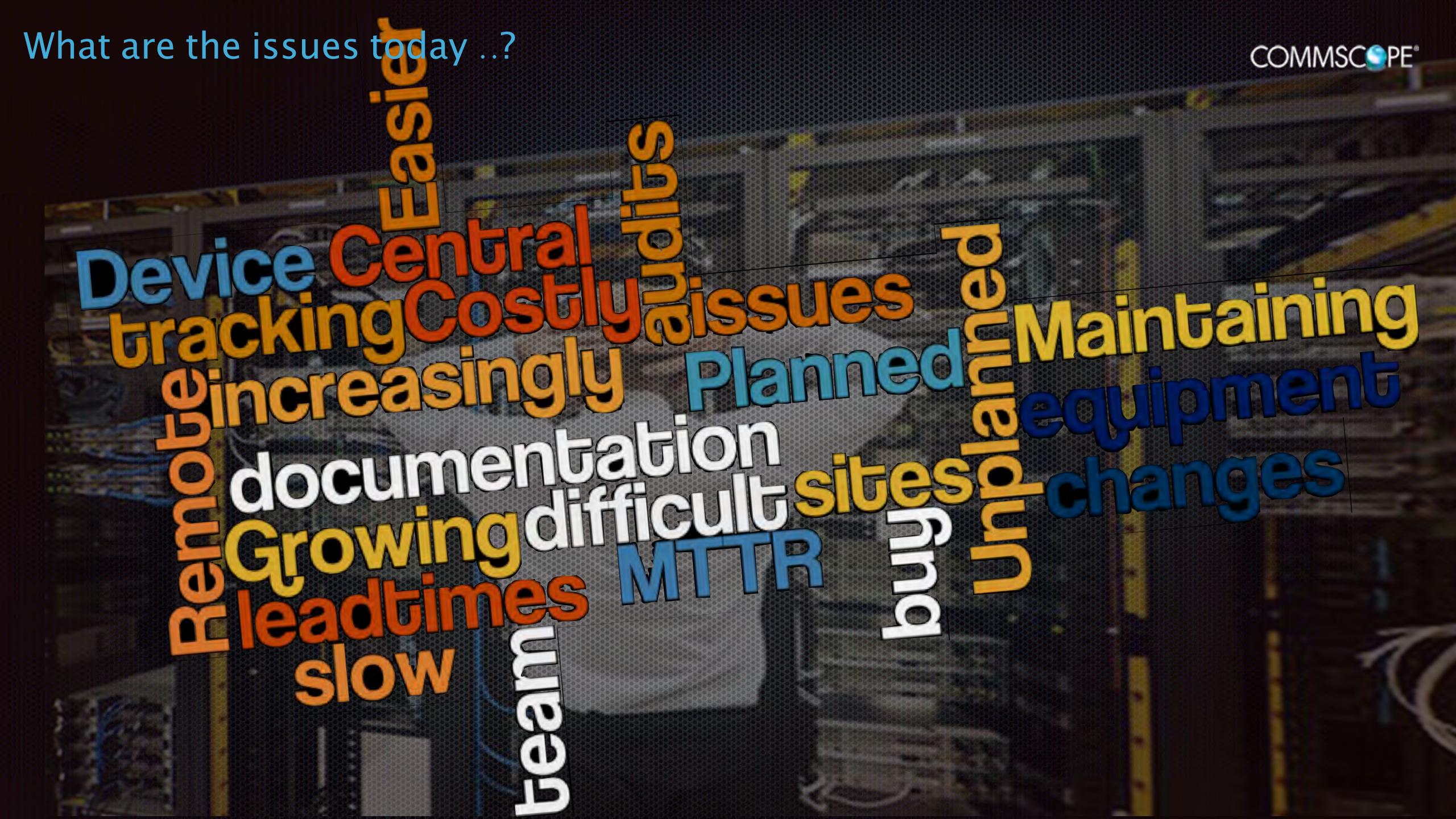


CommScope's Intelligent Platform



Niall McAndrew
Technical Consulting Manager

Bray, Ireland March 2015



Networks Evolve

Responsibilities Change

Businesses Grow

Budgets Shrink

SYSTIMAX® imVision™

im Vision. Infrastructure Management. Made Easy.

imVision: pronunciation — \'em-vi-zhen\

Vision



Knowledge



Control

The imVision™ solution



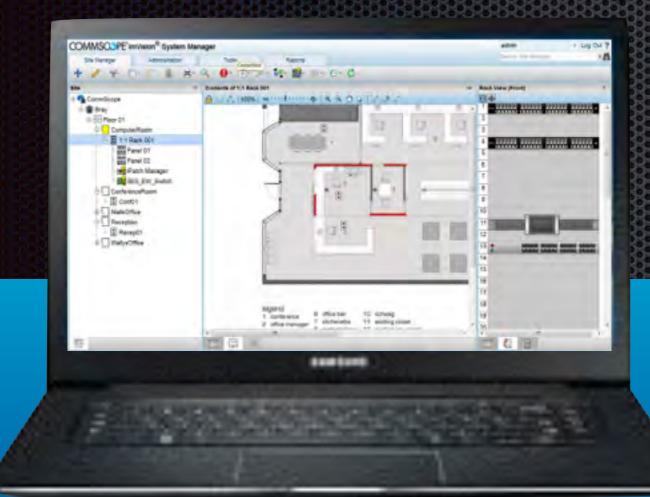
iPatch copper panels



imVision™ controller

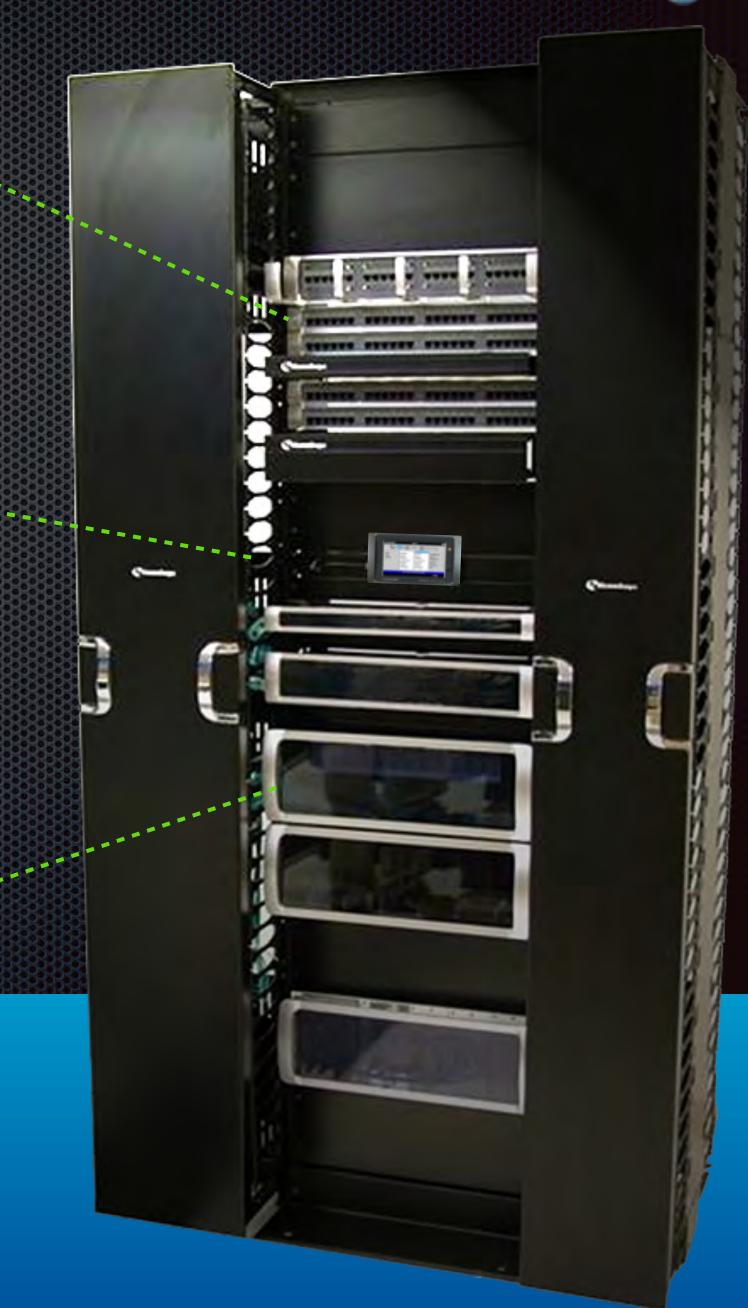


imVision™ System Manager



iPatch fibre shelves









The imVision™ solution



Simple, scalable architecture

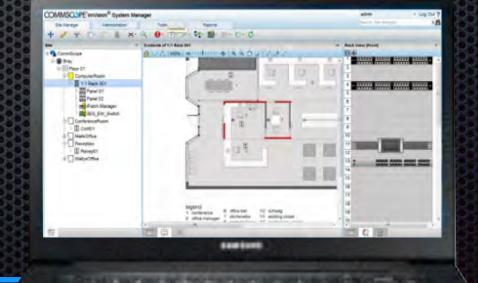


Rack 1



Rack 2

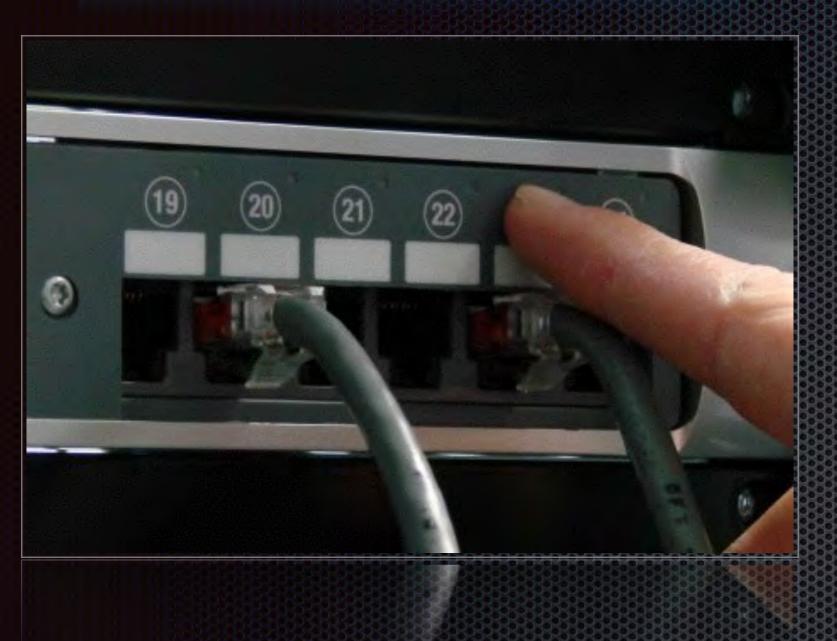




imVision™ System Manager Locate the 1st port

Press the trace button

Both ends light-up





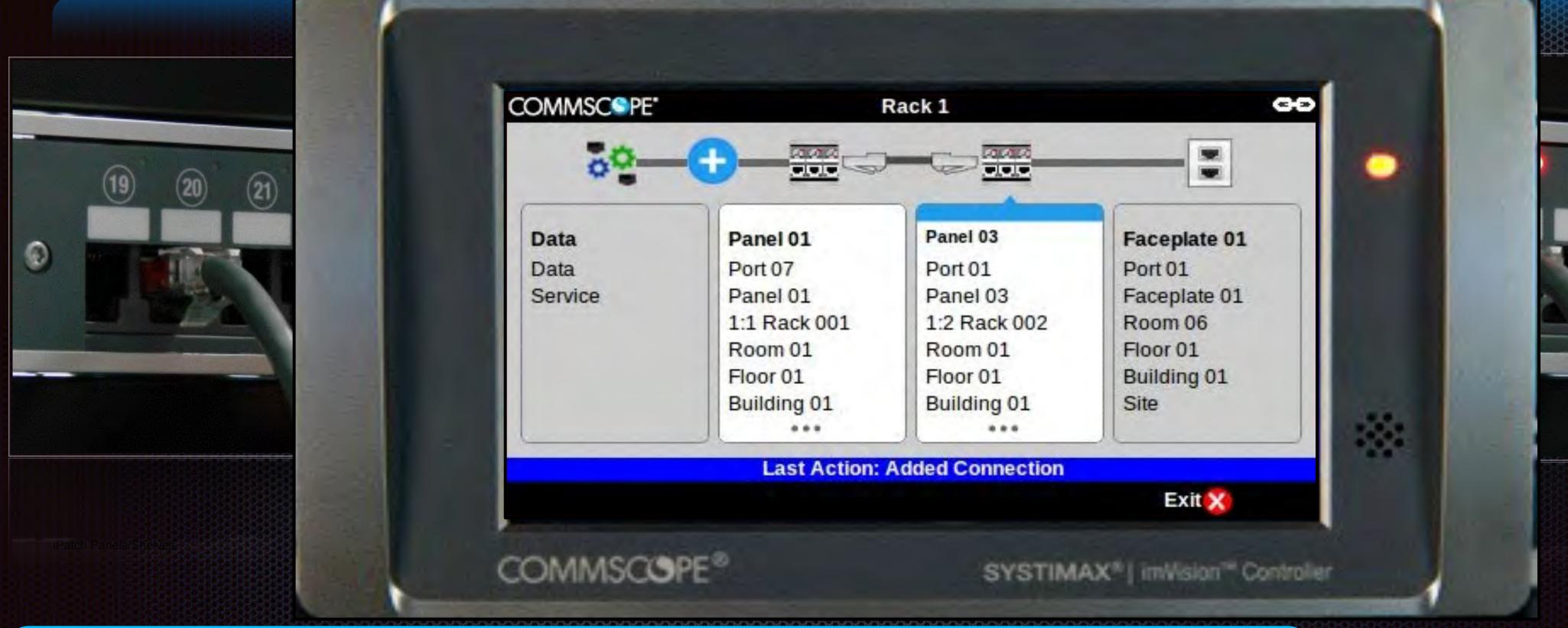




Locate the 1st port

Press the trace button

Both ends light-up

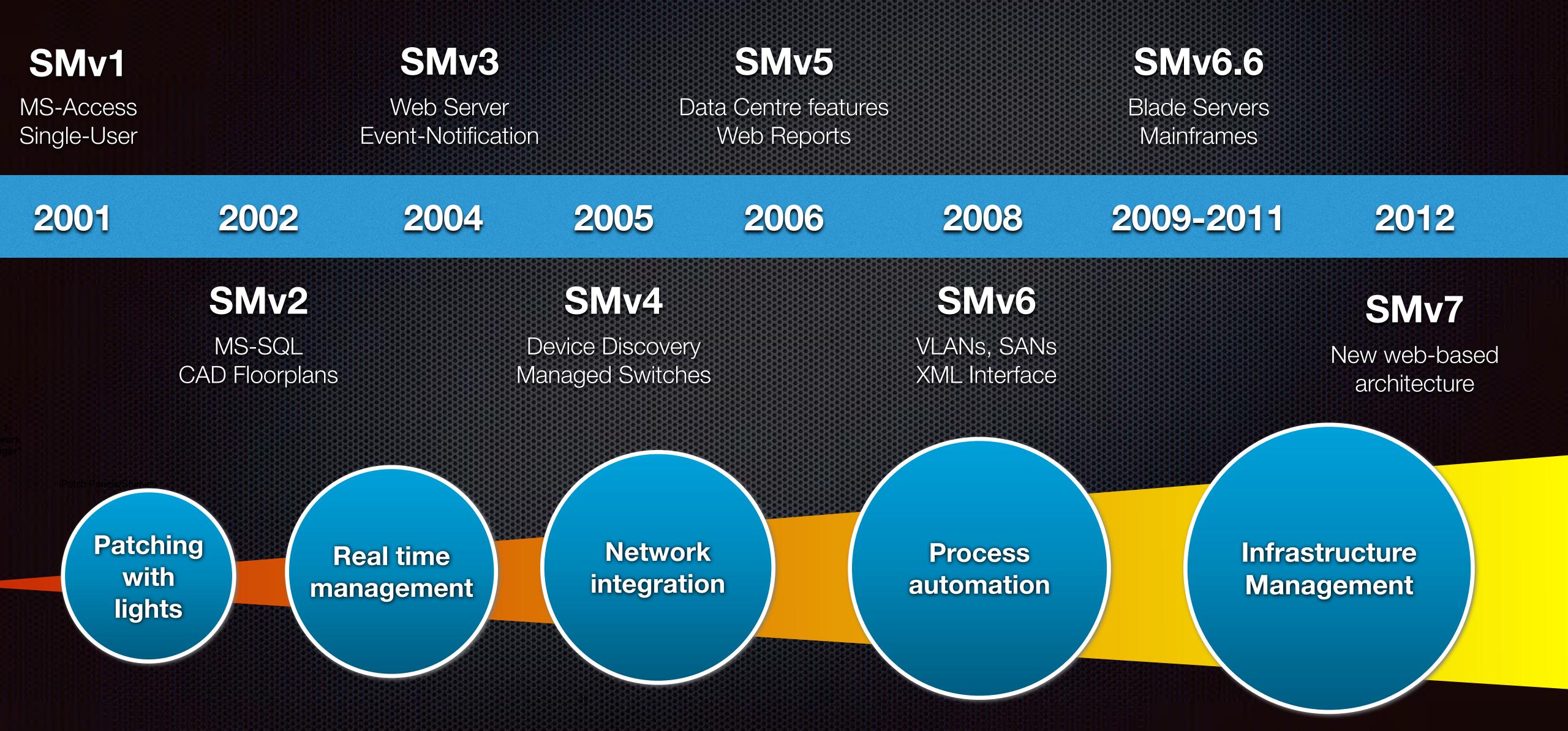




Colour display on controller shows end-to-end circuit

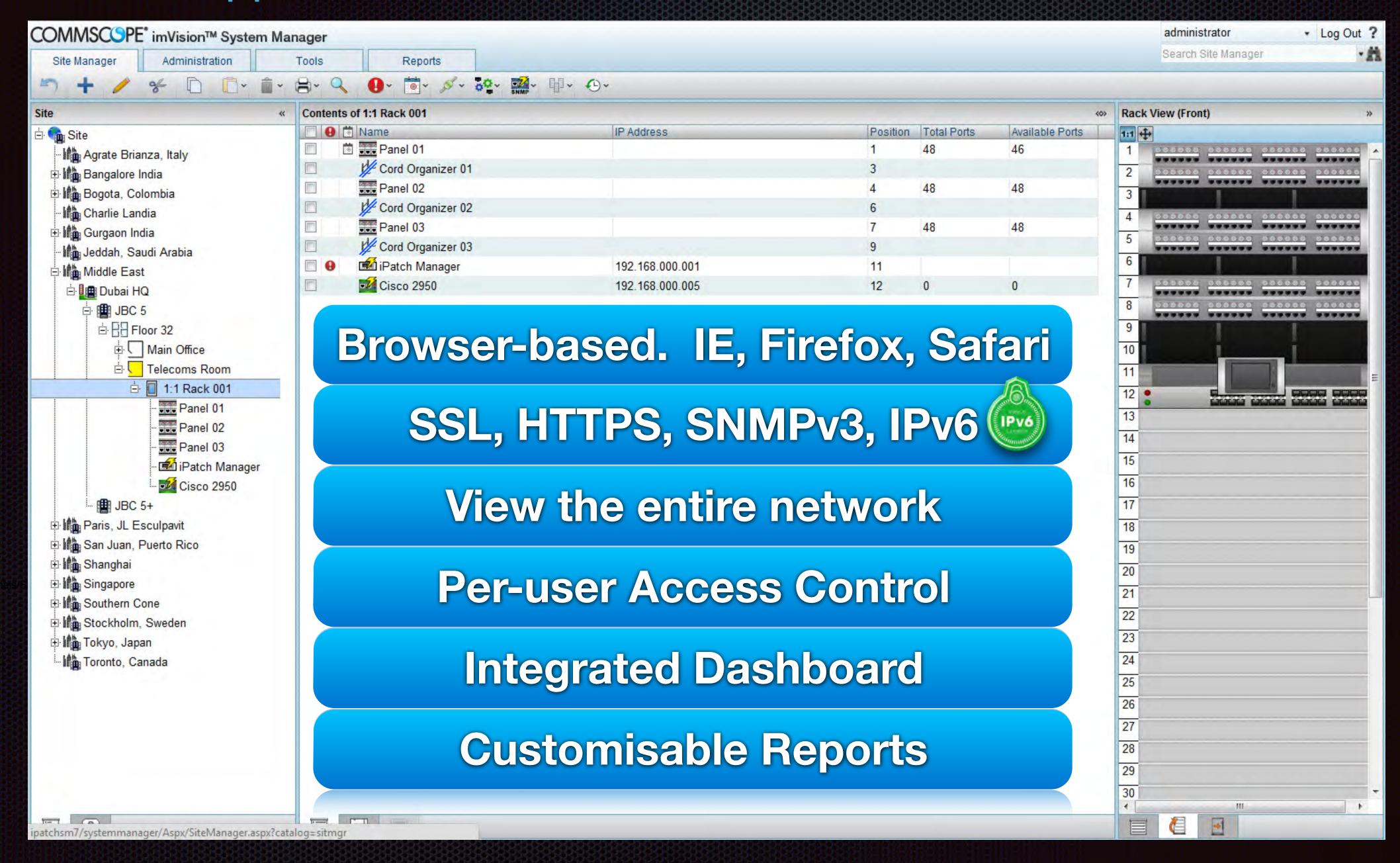
System Manager. Evolution.



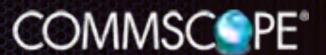


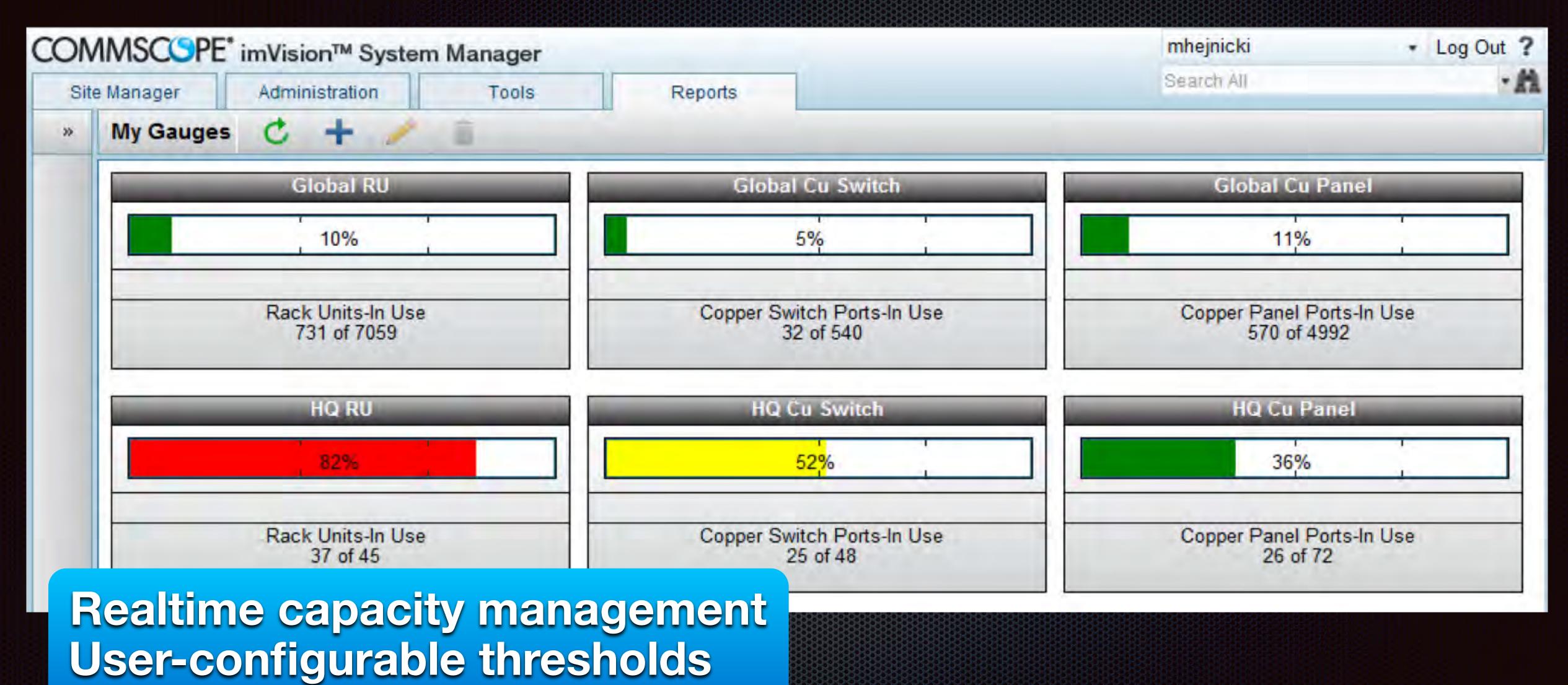
Browser-based application





Dashboard display.



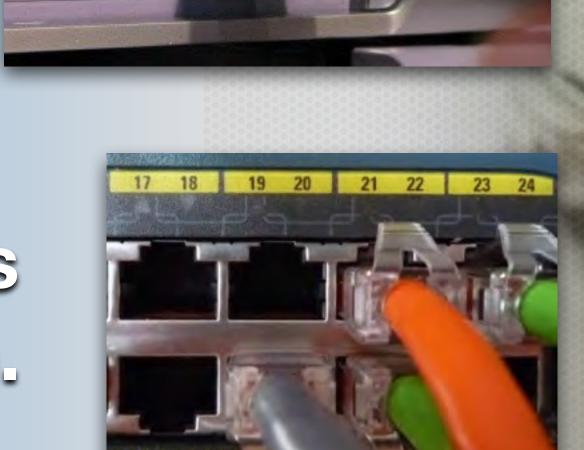


Vision

Sensing the insertion, removal of standard patch cords and plugs

Discovering LAN and SAN devices and their connectivity information.

Processing SNMP traps from external appliances and PDUs.

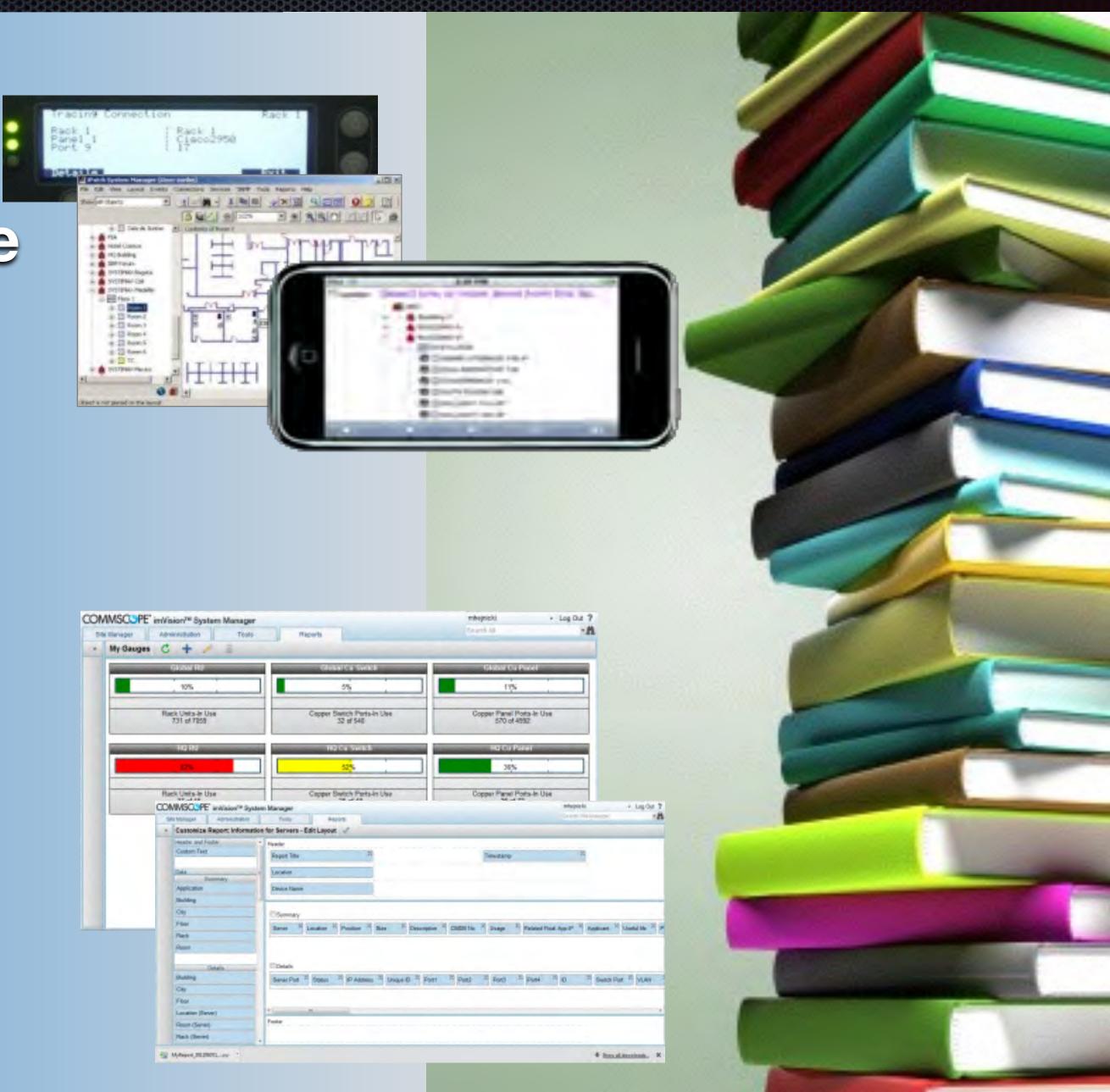


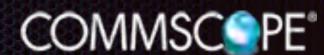
Knowledge

Providing complete and accurate circuit information. At the rack, at the desk. Or on the go.

Tracking status and location of discovered networked devices.

Reporting for location, asset management.





Control

Intelligent management of Moves-Addsand Changes using electronic work orders and technician guidance.

Processing infrastructure events to generate notifications, or trigger activity in external applications or devices.

Integrating with external applications for enhanced network management and monitoring

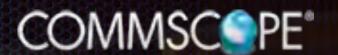


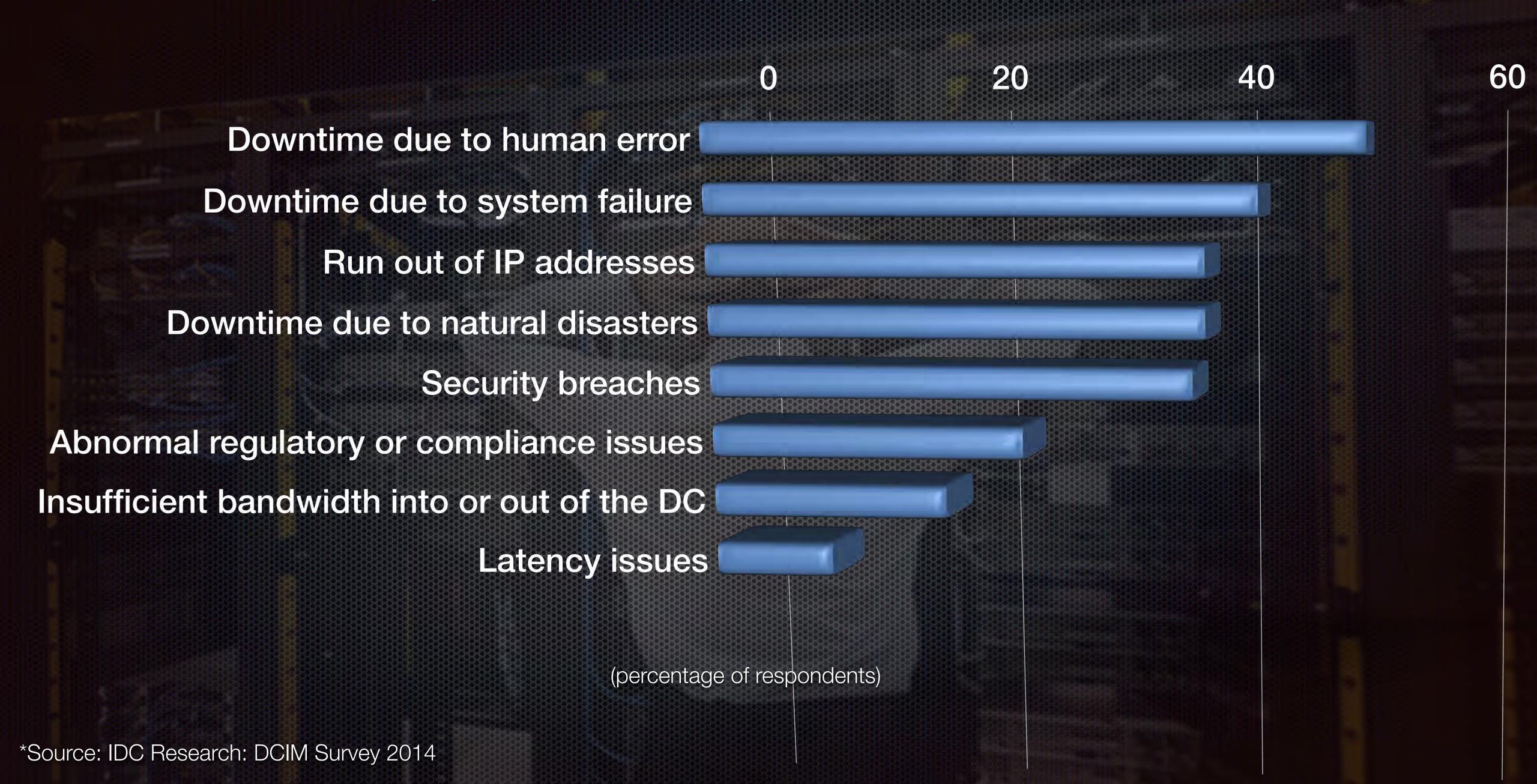
What are the issues in the Data Centre

COMMSC PE

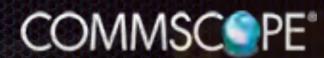
- Managing connectivity
- Utilisation of assets
- Rising energy usage and costs
- Disaster recovery
- Redundancy and resilience
- Maintaining 99.999 (5 nines) uptime

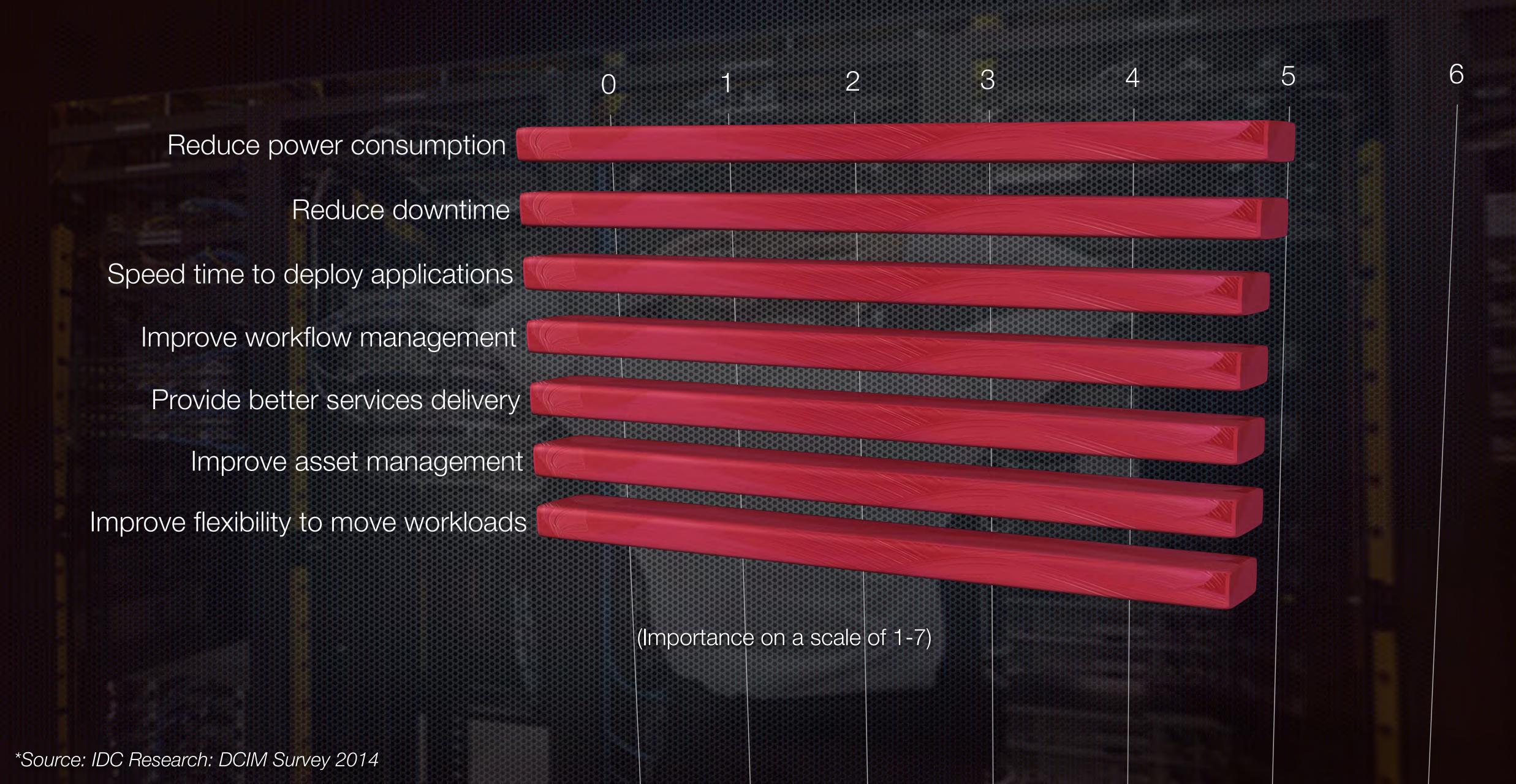
Datacenter Issues Experienced in the past 12 Months





The Top Challenges in Datacenters





Deployed in some of the world's most complex physical infrastructures.

33% of CPIM® customers are in Global/Fortune 500.

1.6 million ft sq. managed in one customer's facilities alone

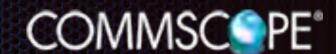






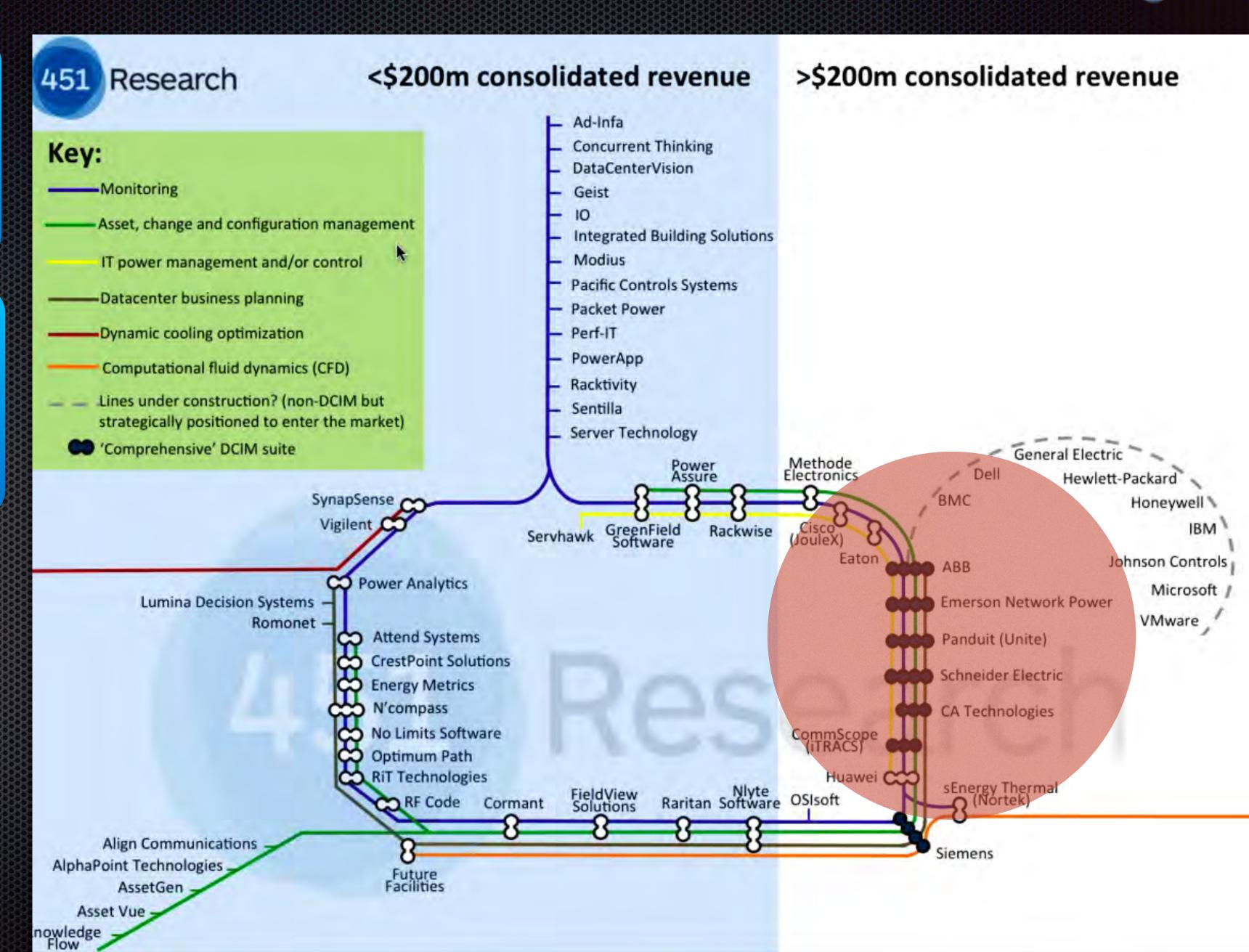
Gartner | 2011 COOL VENDOR

iTRACS CPIM. One of the few DCIM suites.



Most products on the market today are not DCIM.

Many products offering monitoring 'point' solutions.



Top-Ranked DCIM Features

COMMSC PE

Real-time reporting of energy consumption

Identifying equipment / consuming energy / not supporting any apps

Remote control of IT assets

Real-time reporting on environmental conditions

PUE reporting

0

Capacity planning

Reporting and analytics

Asset management

Energy Management

(Importance on a scale of 1-5)

*Source: IDC Research: DCIM Survey 2014

Connectivity Management – at the rack





Uncover potential network problems and resolve these issues without putting other network services or business transactions at risk

Connectivity Management – at the rack

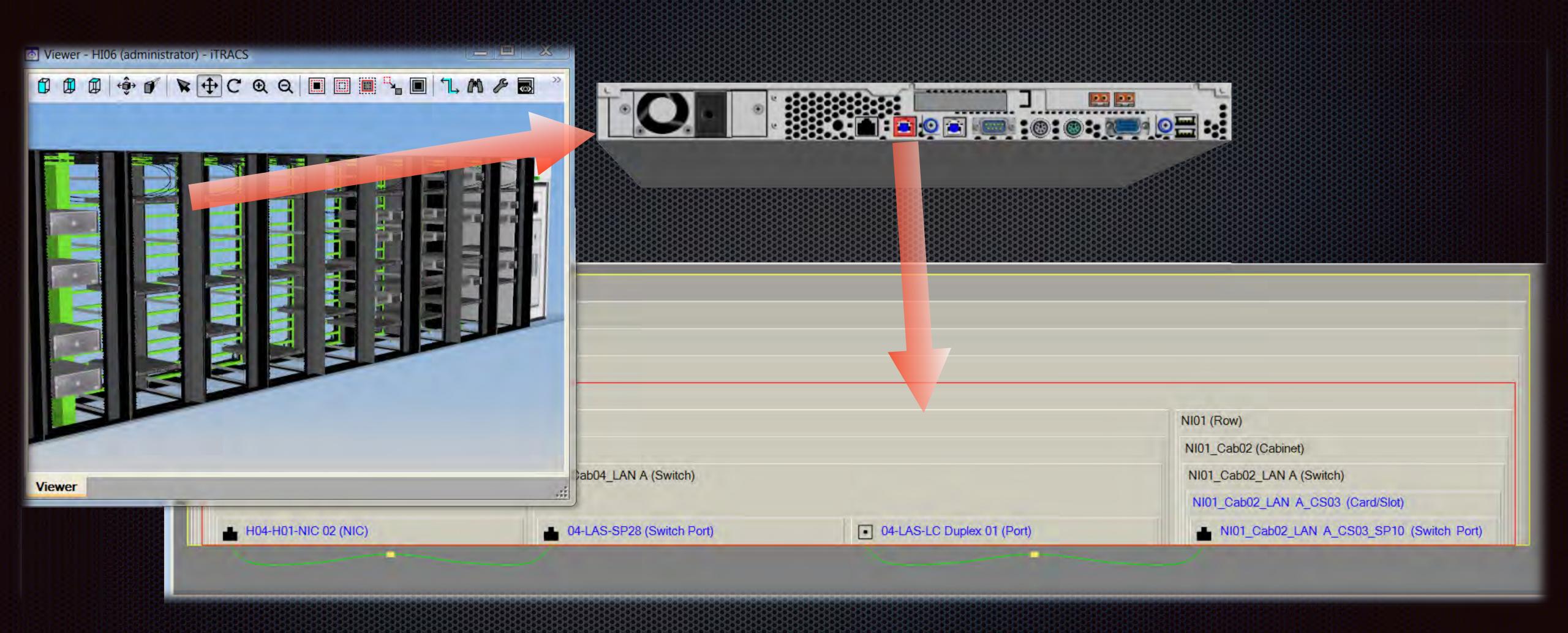




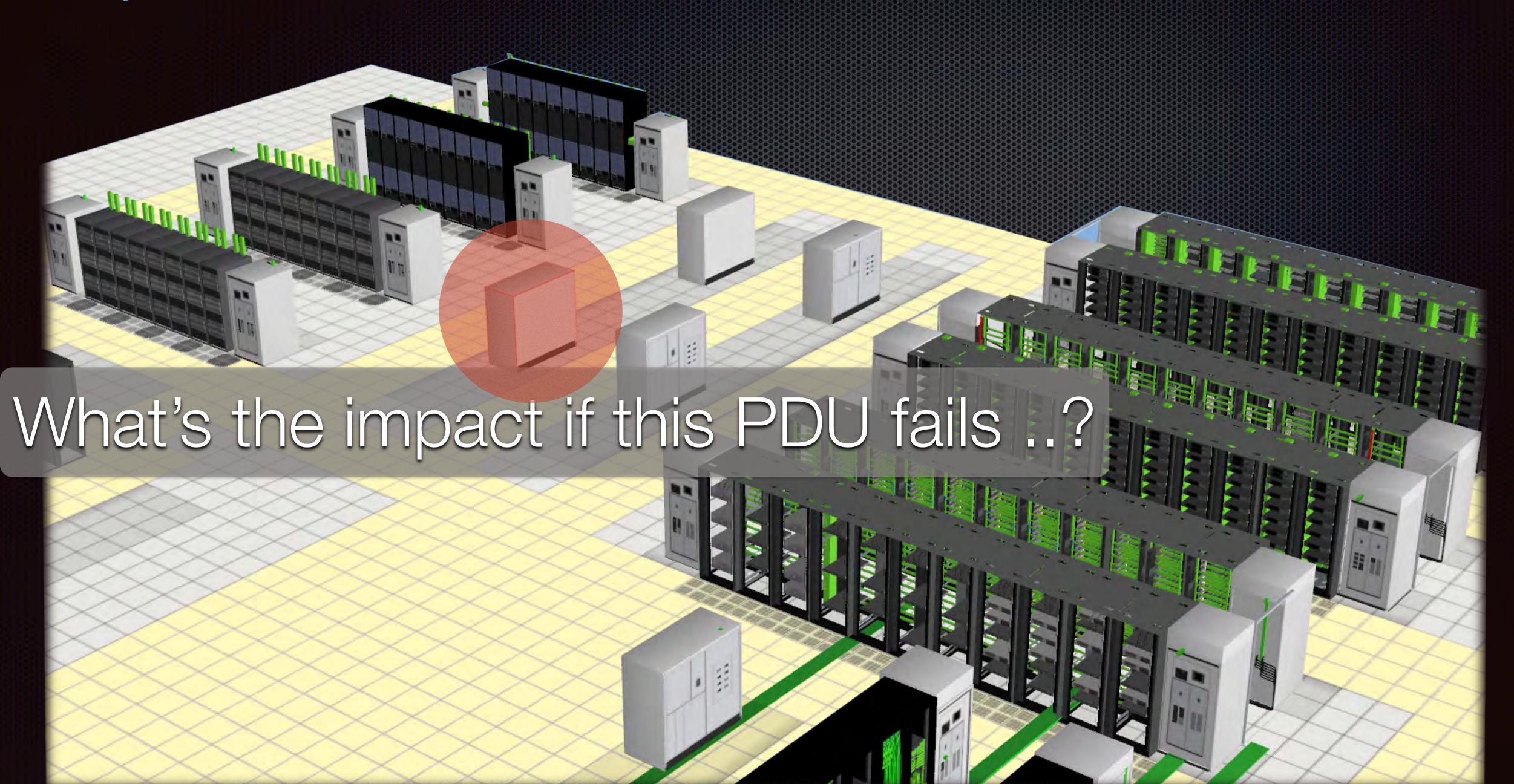
Manage connectivity with Port-to-Port granularity. Fibre, copper, power.

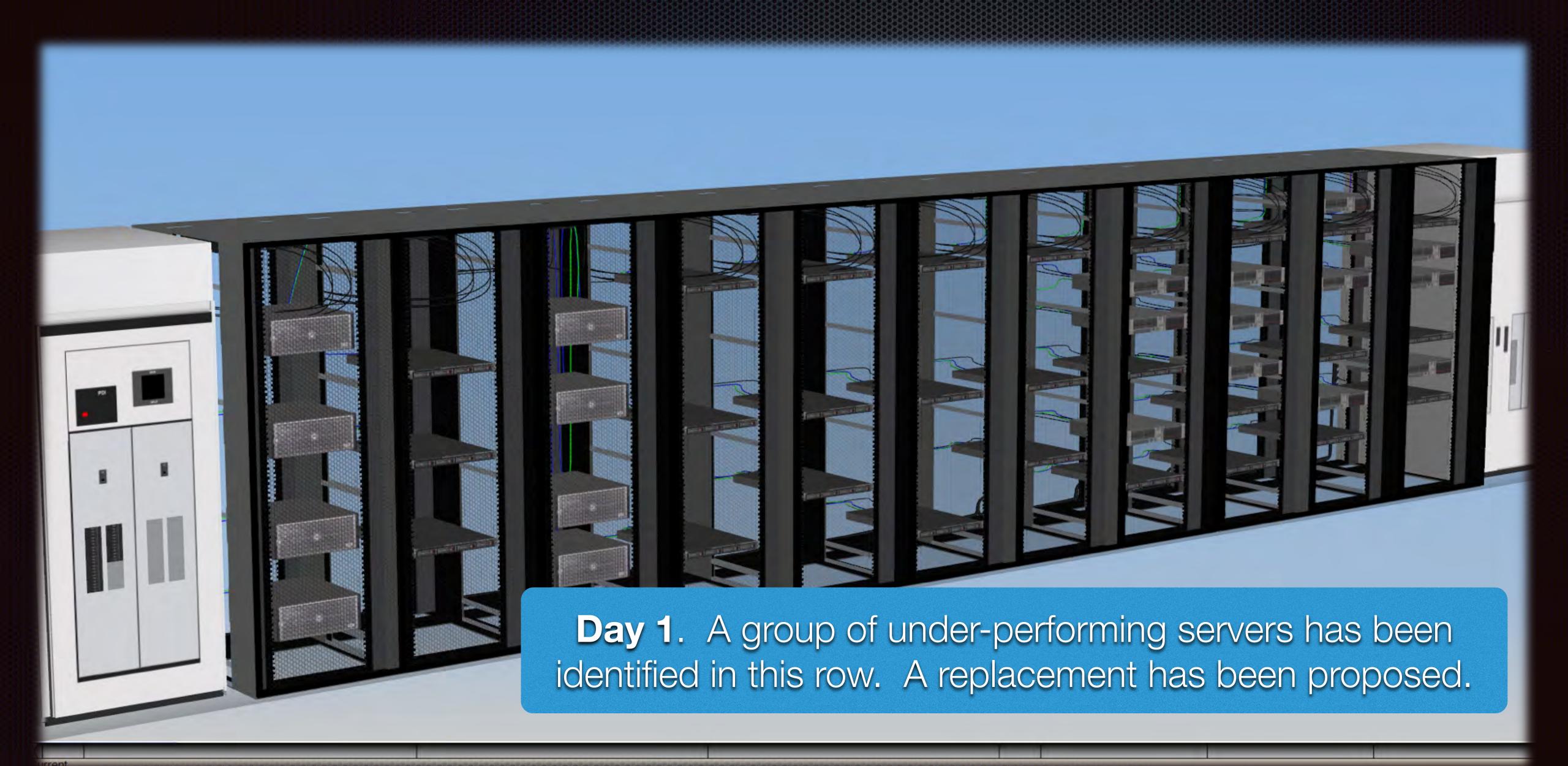
Connectivity Management – at the server

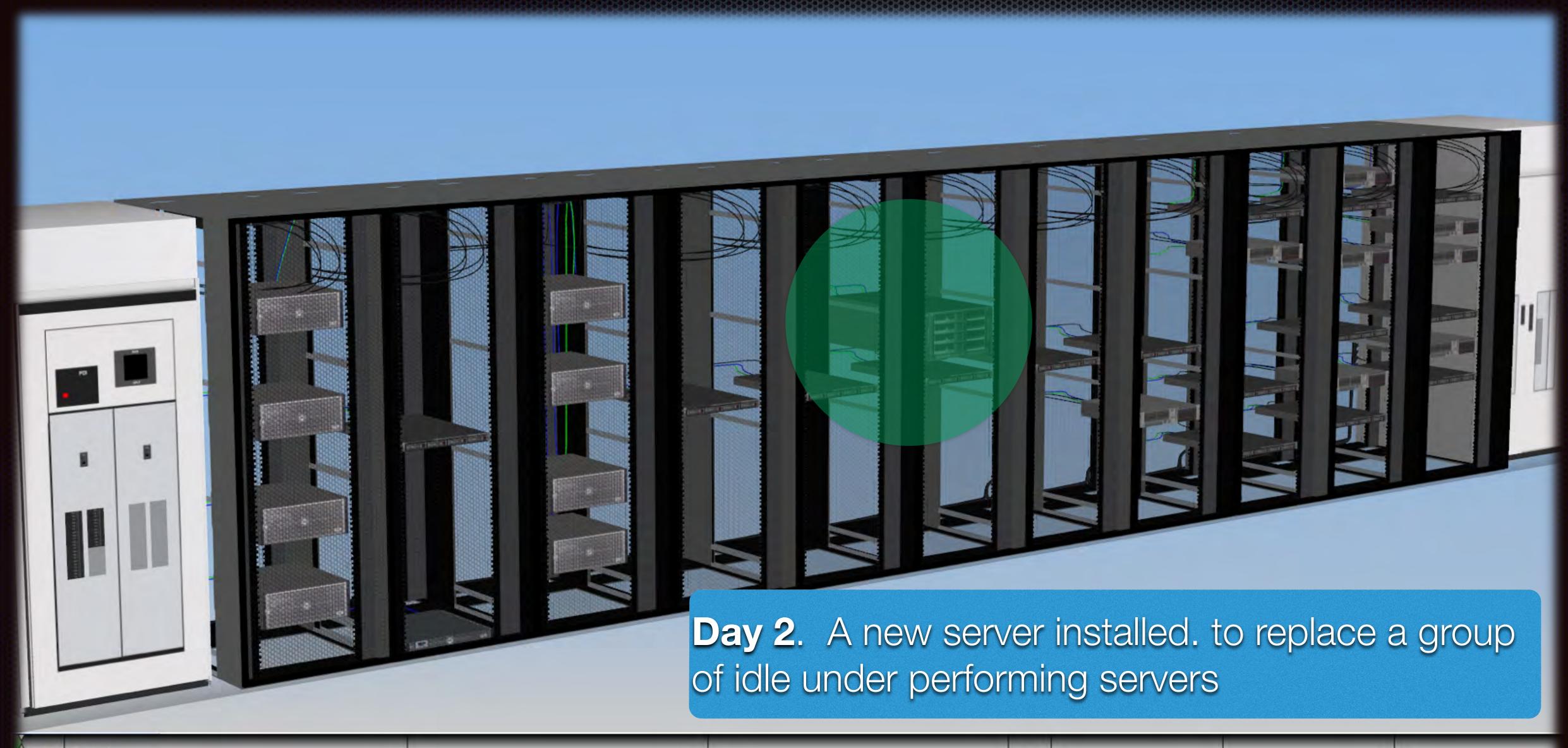








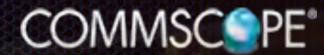








Satisfaction with the Top Elements of DCIM Software Solutions*



3

5



Ease of deployment

Ability to locate assets

Viewing PUE in real-time

Faster deployment of assets

Viewing all datacenter assets in a single tool

Return on investment

Ease of use

Usefullness to facilities manager

Price

0

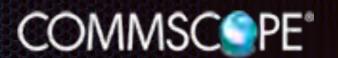
Usefullness across the entire organization

Usefulness to IT manager

(Importance on a scale of 1-5)

*Source: IDC Research: DCIM Survey 2014

Open. The natural evolution of DCIM



Rapid integrations via DCIM Open Exchange FrameworkTM









Intel Data Center Manager
RF Code
VMware vSphere and vCenter
HP Systems Insight Manager
APC Schneider
OSIsoft

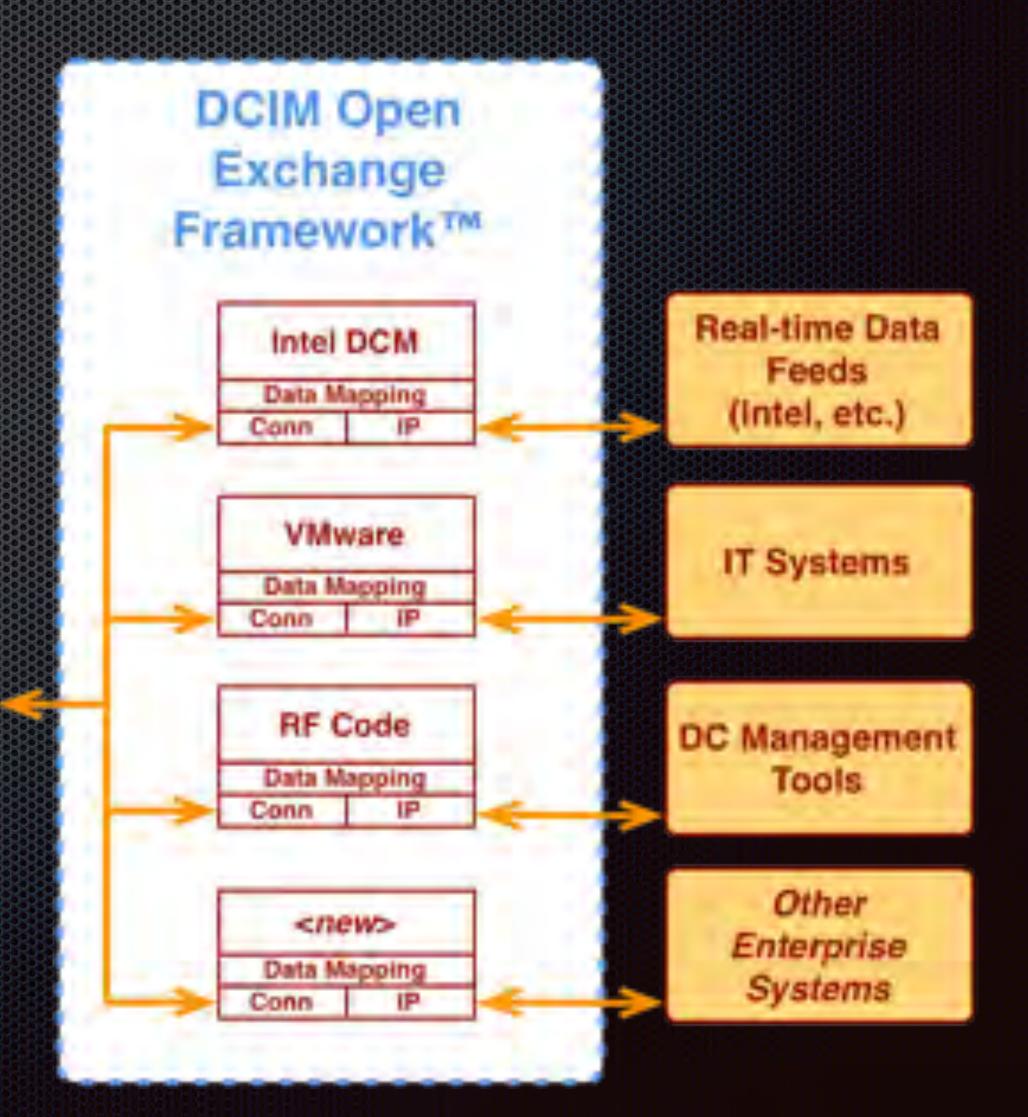
BMC Geist

Liebert

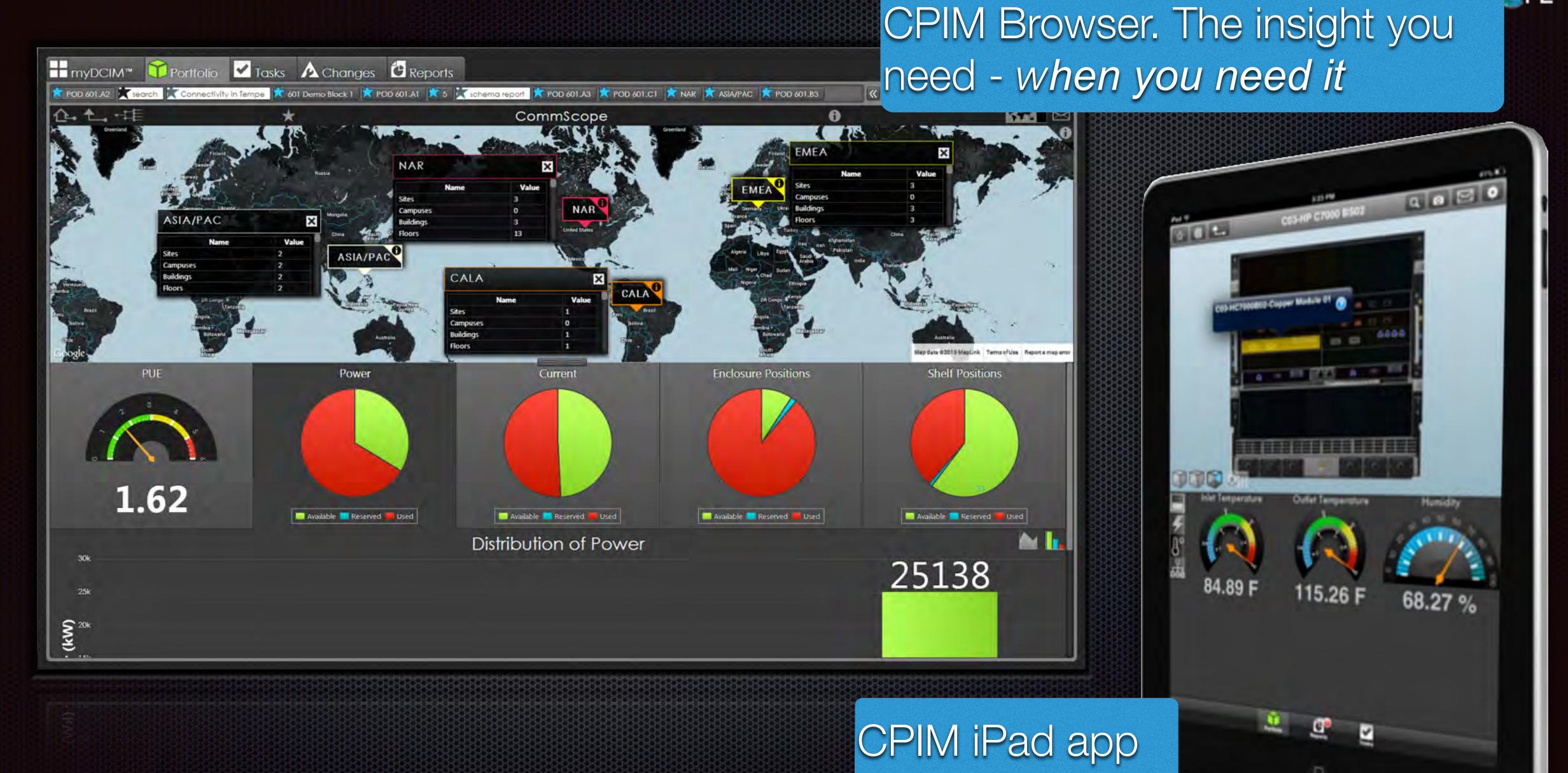
Power Assure

... and more





More Information At Your Fingertips



Power Consumption: The Green Issue.

The world's ICT ecosystem uses about 1,500 TWh of electricity annually, equal to the total of Japan and Germany combined.

As much as was used for global illumination in 1985.

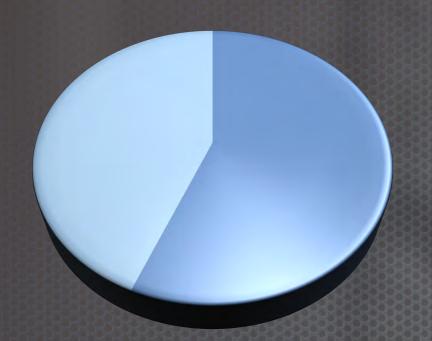
The ICT ecosystem now approaches 10% of world electricity generation.

About 50% more than aviation.



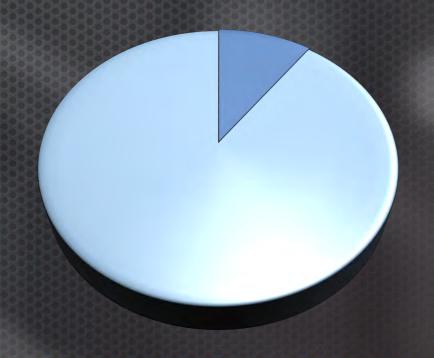
"Data Centres can waste 90 percent or more of the electricity they pull off the grid..."

- The New York Times



"In one sample of 333 servers monitored in 2010, more than half were found to be comatose"

"nearly three-quarters were using less than 10 percent of their computational brainpower, on average, to process data."



Source: The New York Times





"AOL decommissioned 9,484 servers [2012], or about a quarter of its servers worldwide."





Saved \$1.65 million in energy bills

Reduced carbon emissions by 20 tons





Gained \$1.2 million from scrap & resale



"We are seeing reductions in power, cooling, rack space, and network port utilisation - all of this while our usable compute footprint goes up, giving us the room to continue to grow the business," said Paul Nally, Director at Barclays."





Saved \$4.5 million in energy bills

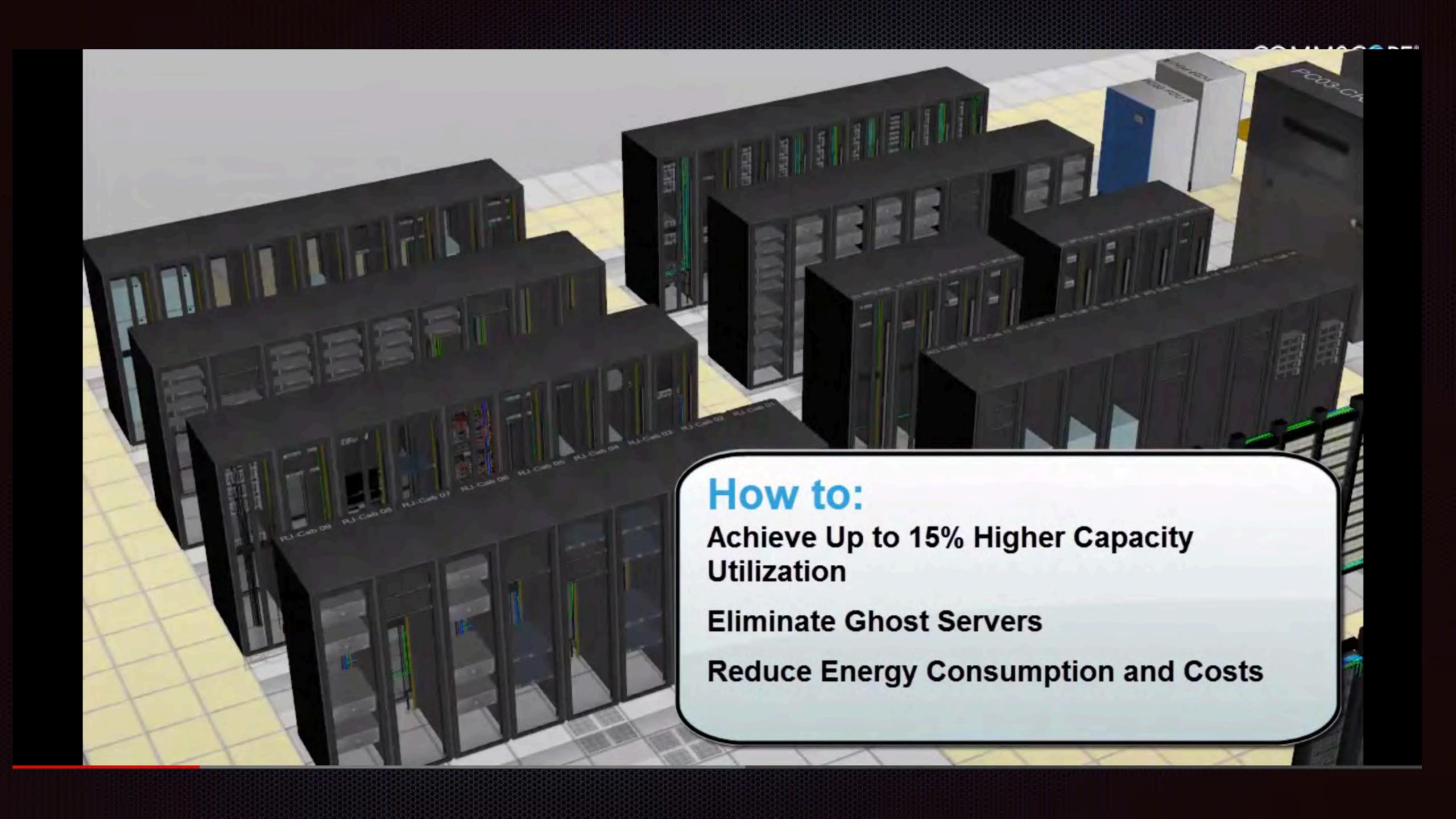
and \$1.3m on legacy hardware maintenance costs.

Reduced Power consumption by 2.5 MW





Released 20,000 network ports and 3,000 storage area network ports.



Deployment of Additional Datacentre Infrastructure Solutions in the past 18 months*

COMMSC PE

0

20

40

Deploy additional IT infrastructure in existing facility

Place our DC in a 3rd party facility

Lease space in a co-location facility

Build a new DC

Build a DC using a prefabricated modular design

Utilize public cloud resource

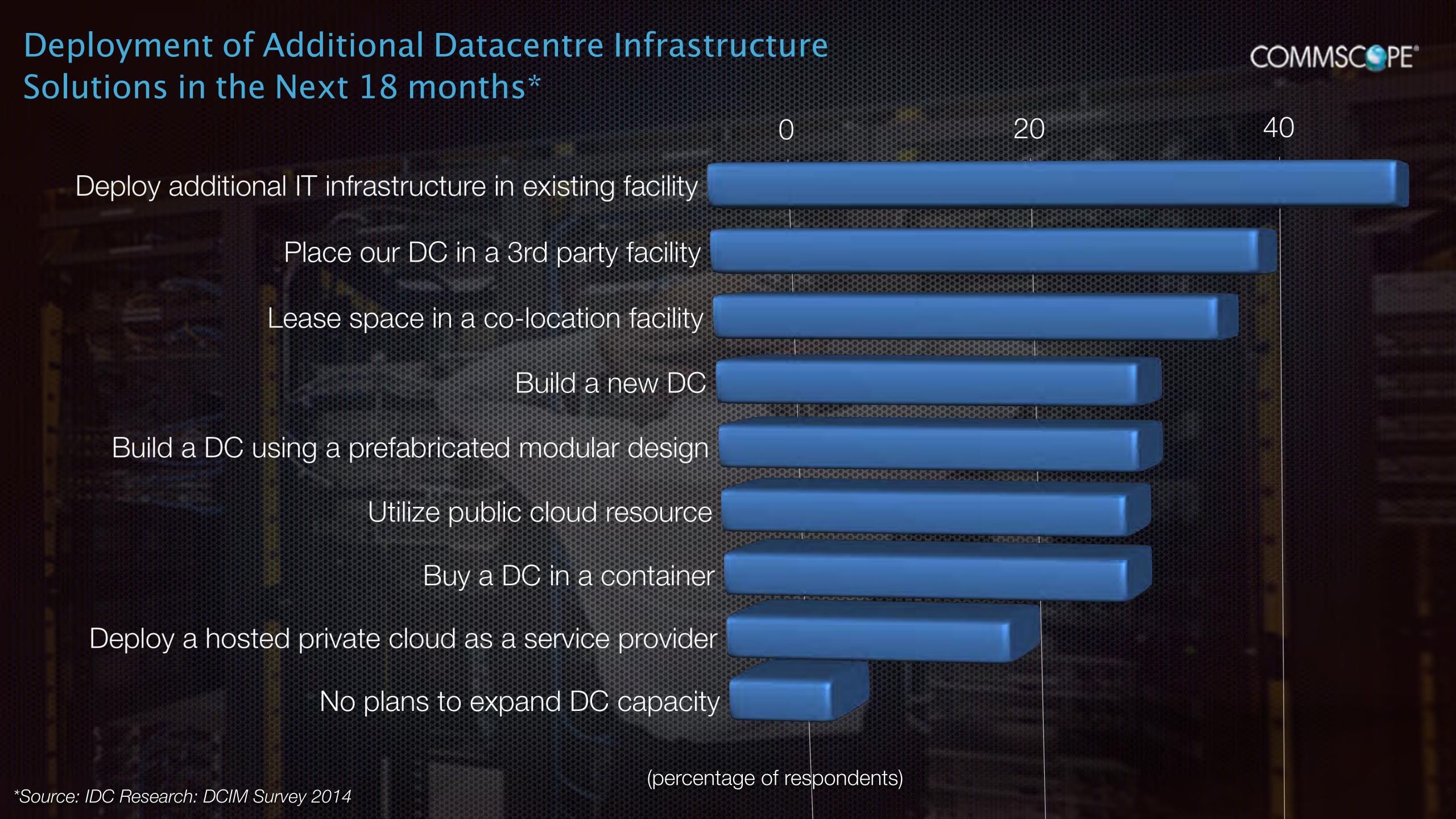
Buy a DC in a container

Deploy a hosted private cloud as a service provider

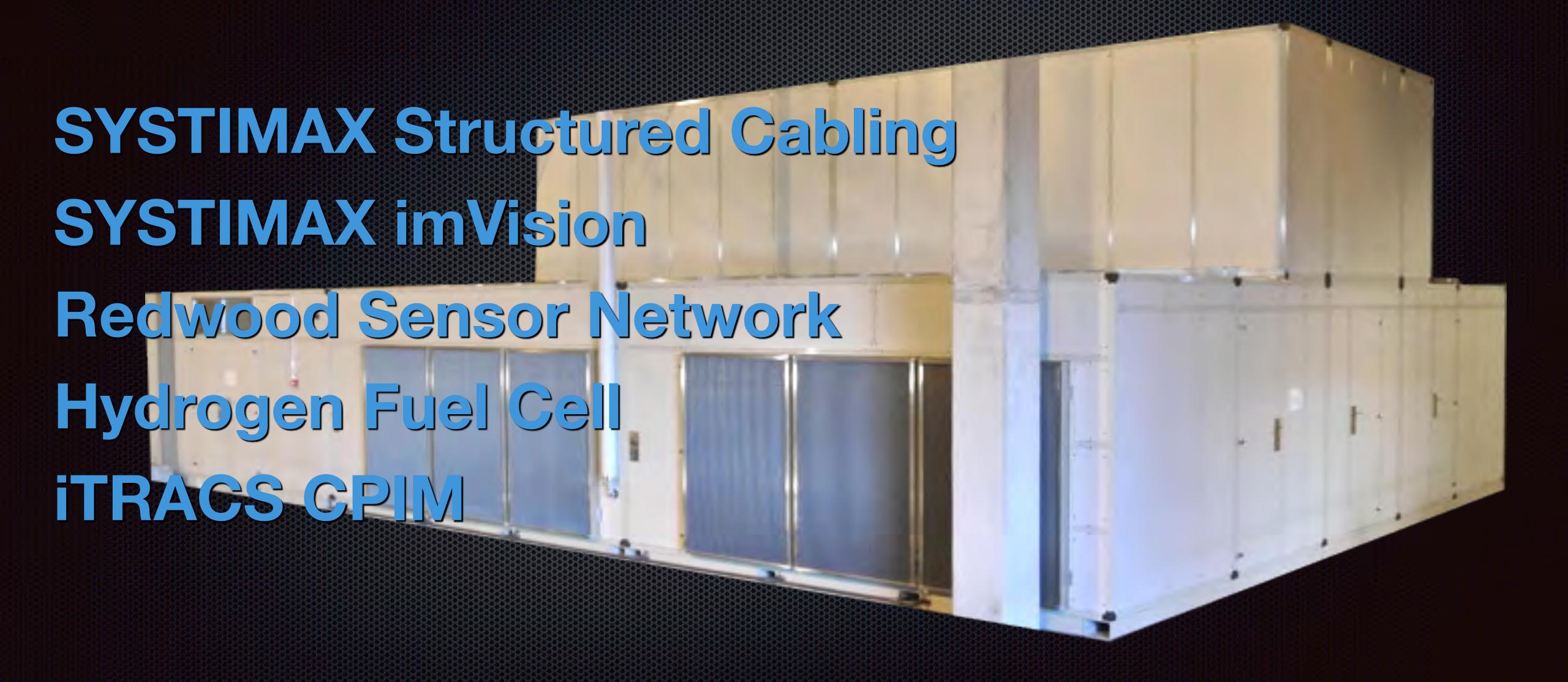
No plans to expand DC capacity

(percentage)

*Source: IDC Research: DCIM Survey 2014



Data Centre on Demand



Thank You

