



How **CLARIDION** provides  
Data Center Operation **EXCELLENCE**  
through DCIM as a  with  
Datacenter Clarity LC powered by PI System



Presented by Salvatore Cimmino, Claridion Inc.  
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# About Claridion

- A 17 years old company focused on IT infrastructures management.
- Integrator of heterogeneous IT products and platforms. Often making the “glue” holding them together.
- In the last 6 years, focused almost exclusively on DCIM (Data Center Infrastructure Management).

## and.... what is DCIM again?

- A group of functions, tools and management processes specific to the physical infrastructure of the Data Center.
- It gives Visibility and Control as much on the physical assets as with the environmental and electromechanical aspects.
- It brings about a better exploitation of the Data Center through the optimisation of the available resources and systems thereby increasing their efficiency and availability.

# Why we are interested

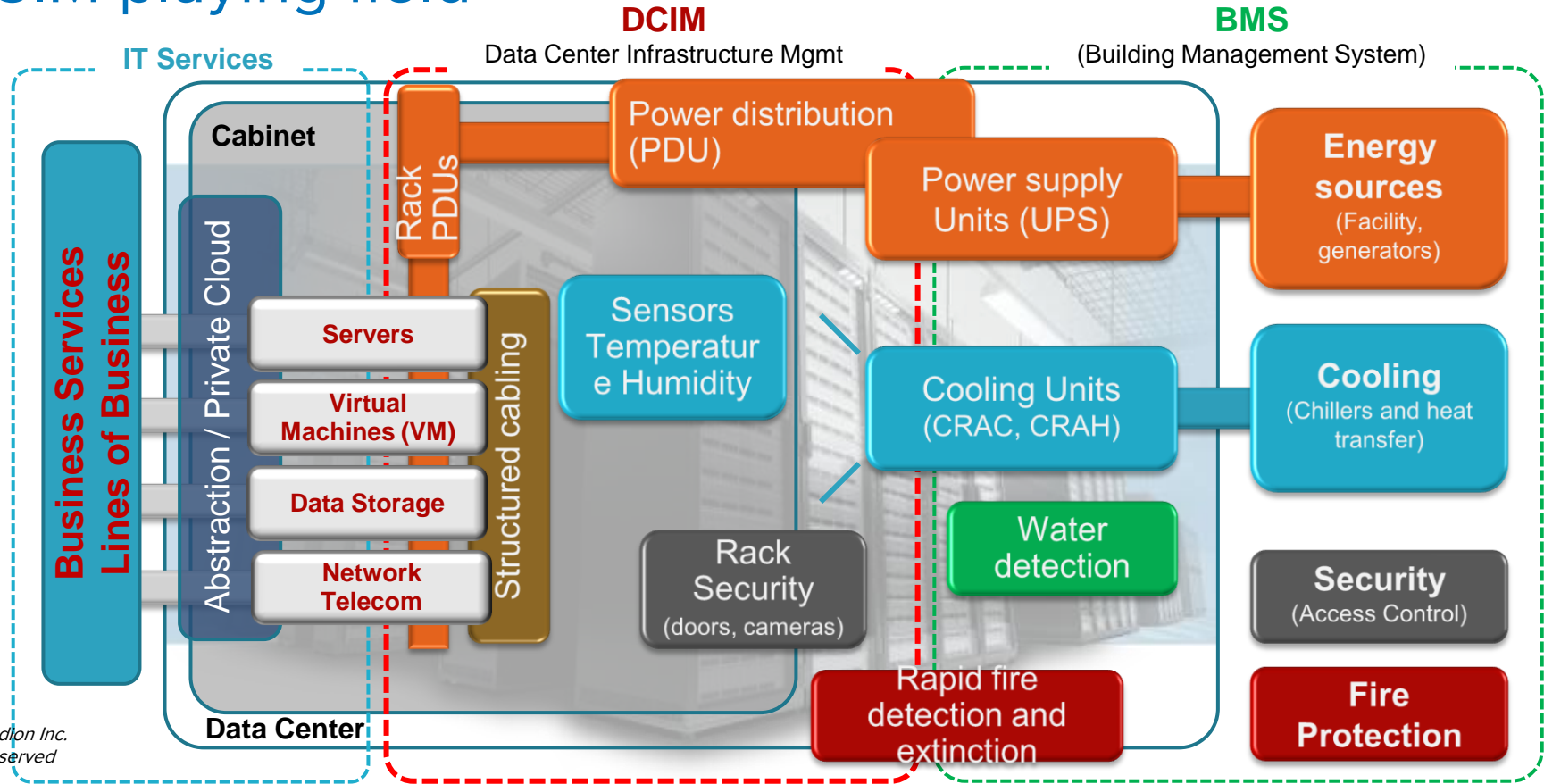
**The global DCIM market is estimated to grow from \$307 million in 2011 to \$3.14 billion in 2017.**

Ref: [marketsandmarkets.com](http://marketsandmarkets.com), Publishing Date: May 2012, Report Code: TC 1781

**In North America, the penetration rate for 2014 is about 12%. By 2017, Gartner forecasts that DCIM tools will be deployed in more than 60% of the larger data centers in North America.**

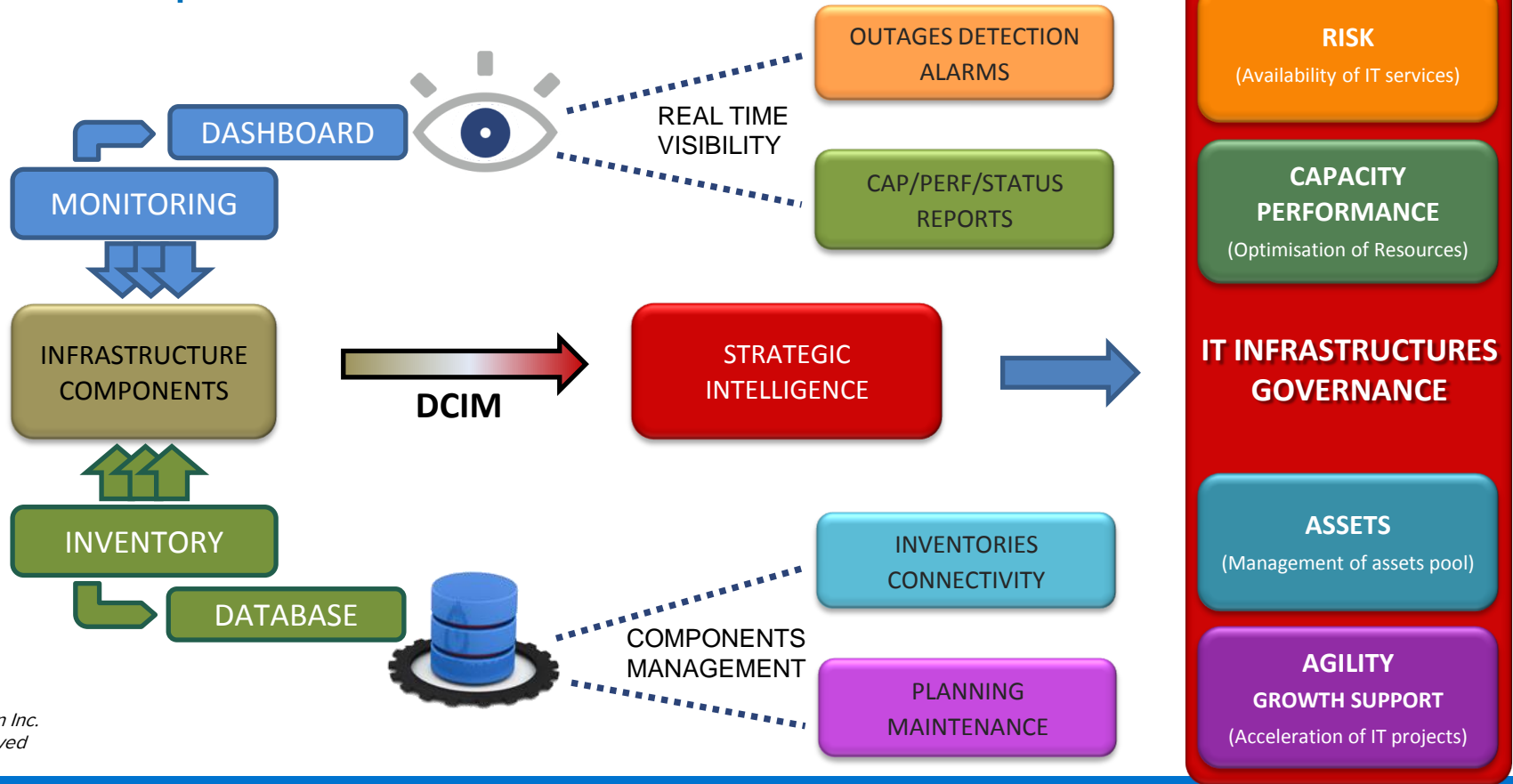
Ref: Magic Quadrant for Data Center Infrastructure Management Tools  
September 2014 ID:G00259286

# DCIM playing field



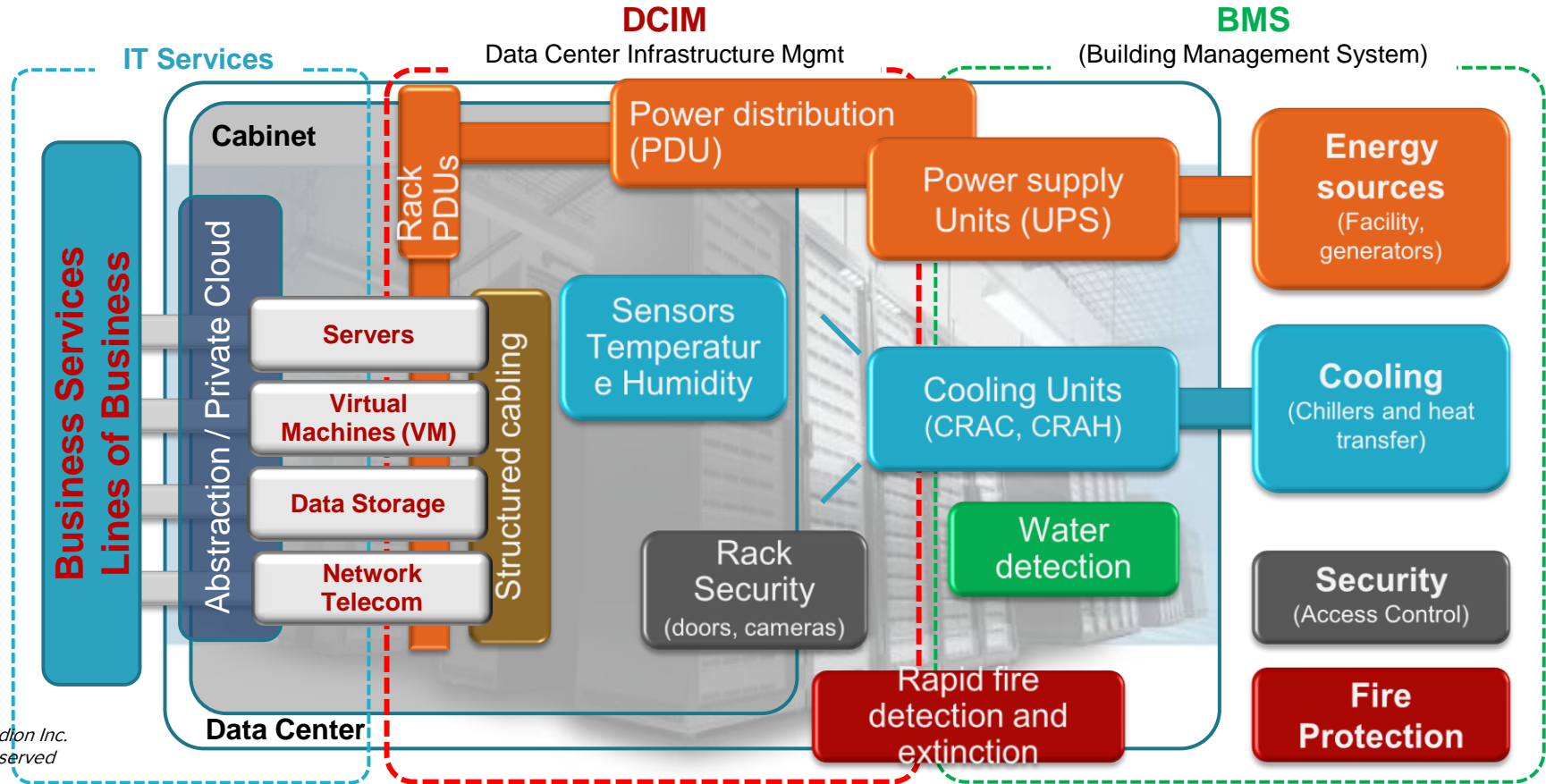
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# DCIM : Operational model



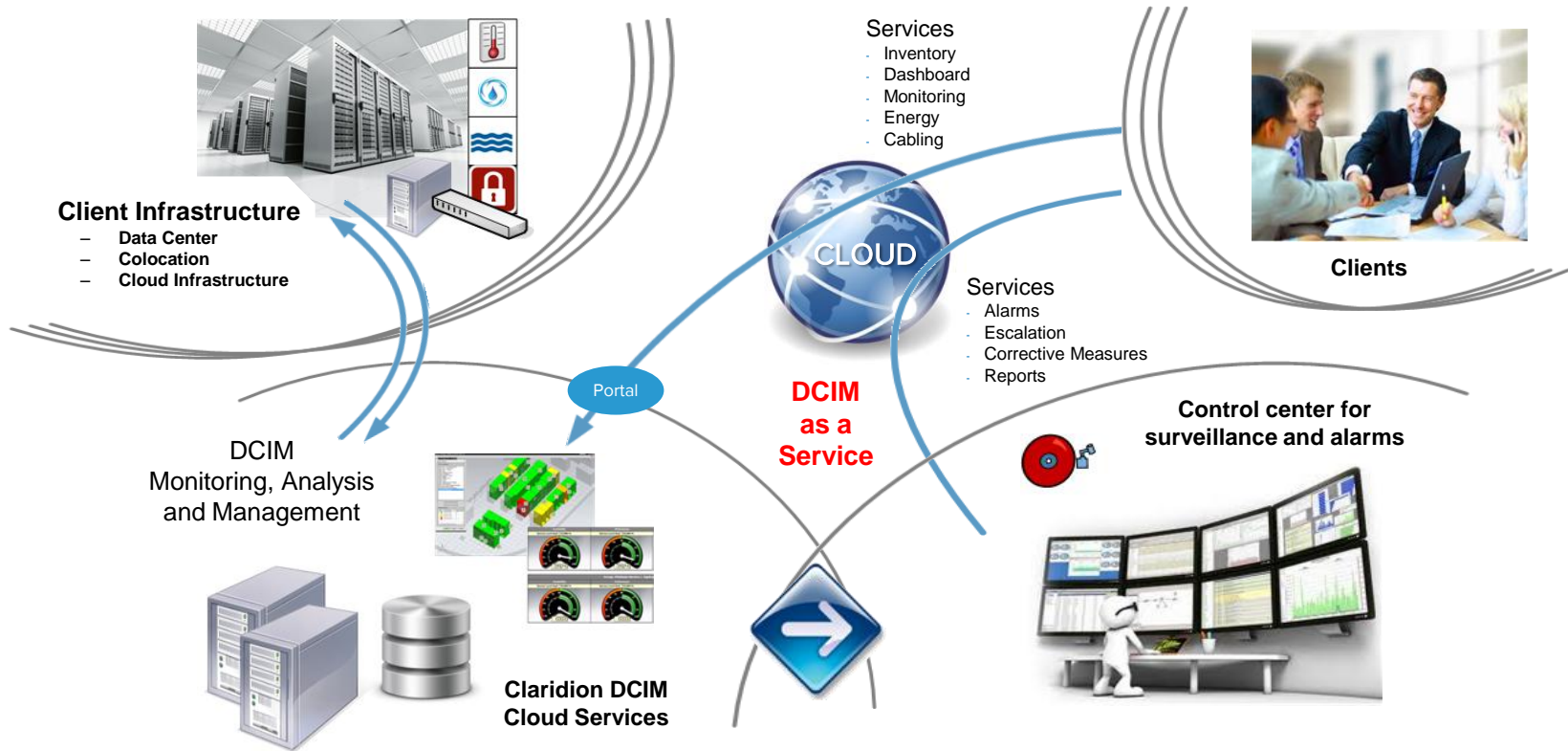
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# Data Center ecosystem



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# DCIM as a Service according to CLARIDION



No licence to manage  
No software to install  
Everything is ready  
to use



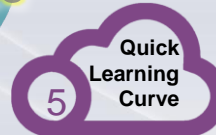
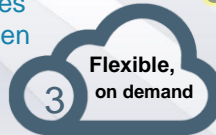
No server to buy  
Stop wasting over-capacity  
and under-utilized systems



Hosted within a  
Top Secure  
World Class  
Infrastructure



Pay for the features  
you want, only when  
you need them



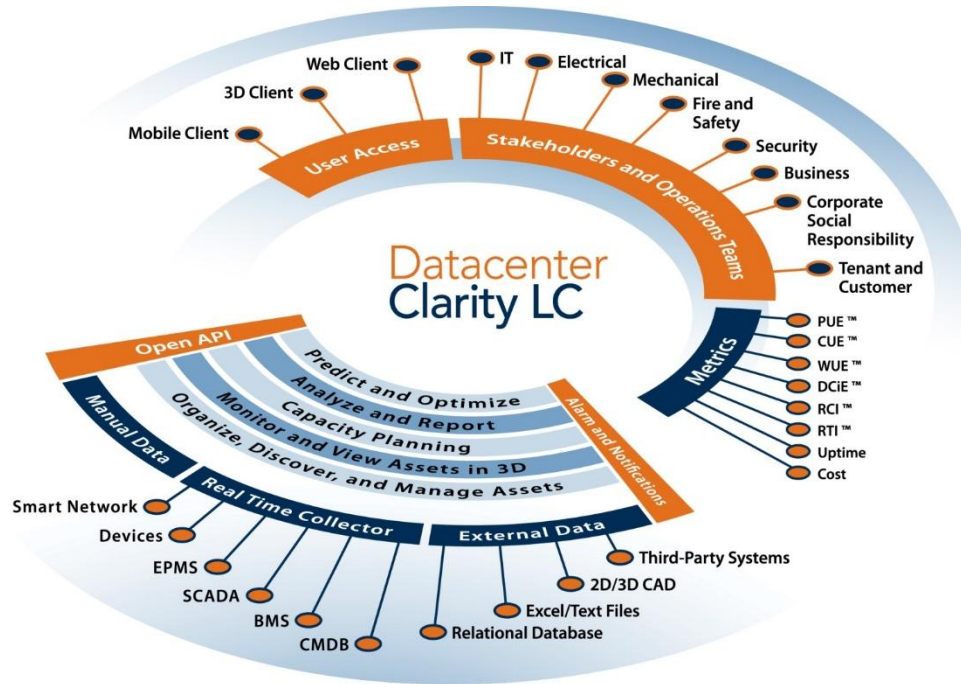
Supported by a  
Team of  
Experts, always  
ready for you



**CapEx**  $\Rightarrow$  **OpEx**  
Quickly reap the benefits of DCIM

# Datacenter Clarity LC™

## DCIM Solution powered by OSIsoft PI System



Infrastructure life cycle management

Real-time monitoring, alarm and event notification

Collaboration and process management

Power Management

Environmental & Cooling Management

Key performance indicator dashboard

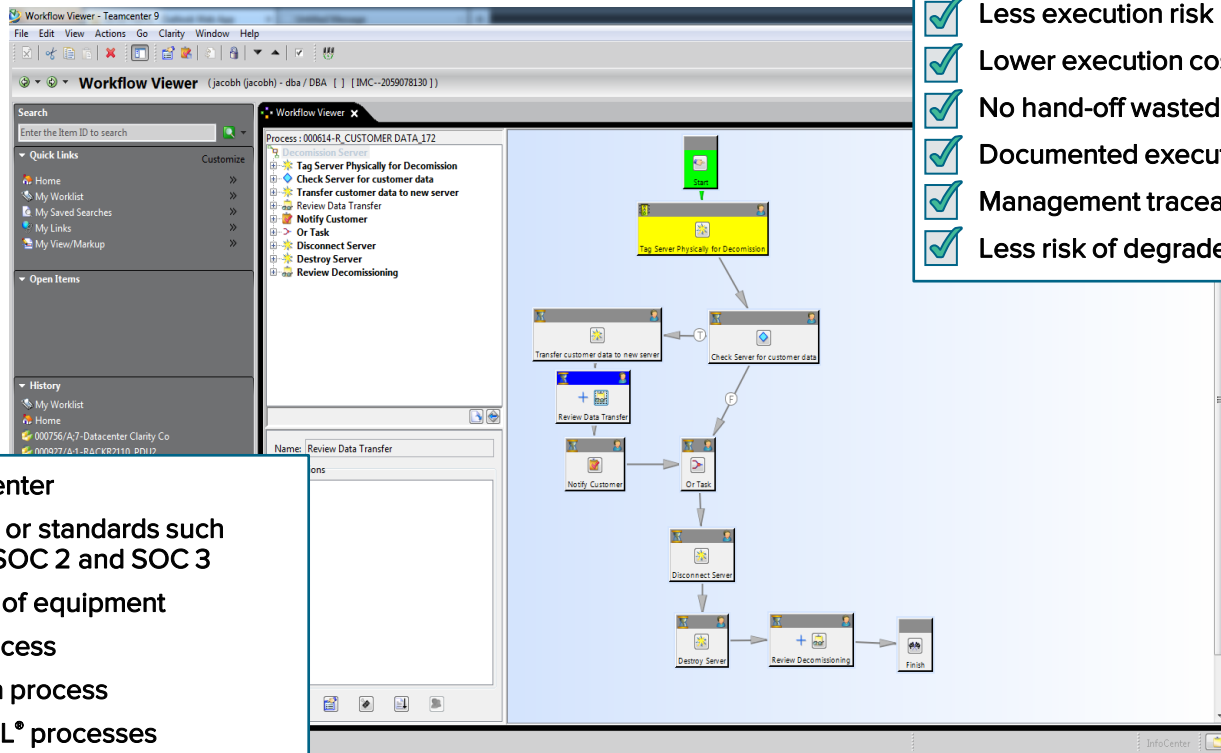
Computational Fluid Dynamics (CFD)

Open interface and protocol support

Rack Cooling Index (RCI) is a Registered Trademark and Return Temperature Index (RTI) is a Trademark of ANCIS Incorporated ([www.ancis.us](http://www.ancis.us)). All rights reserved. Used under authorization. The following are trademarks of The Green Grid Association: PUE, DCiE, CUE, WUE

# Collaboration is Key to Avoid Downtime

## Manage your Data Center IT and Facility Processes

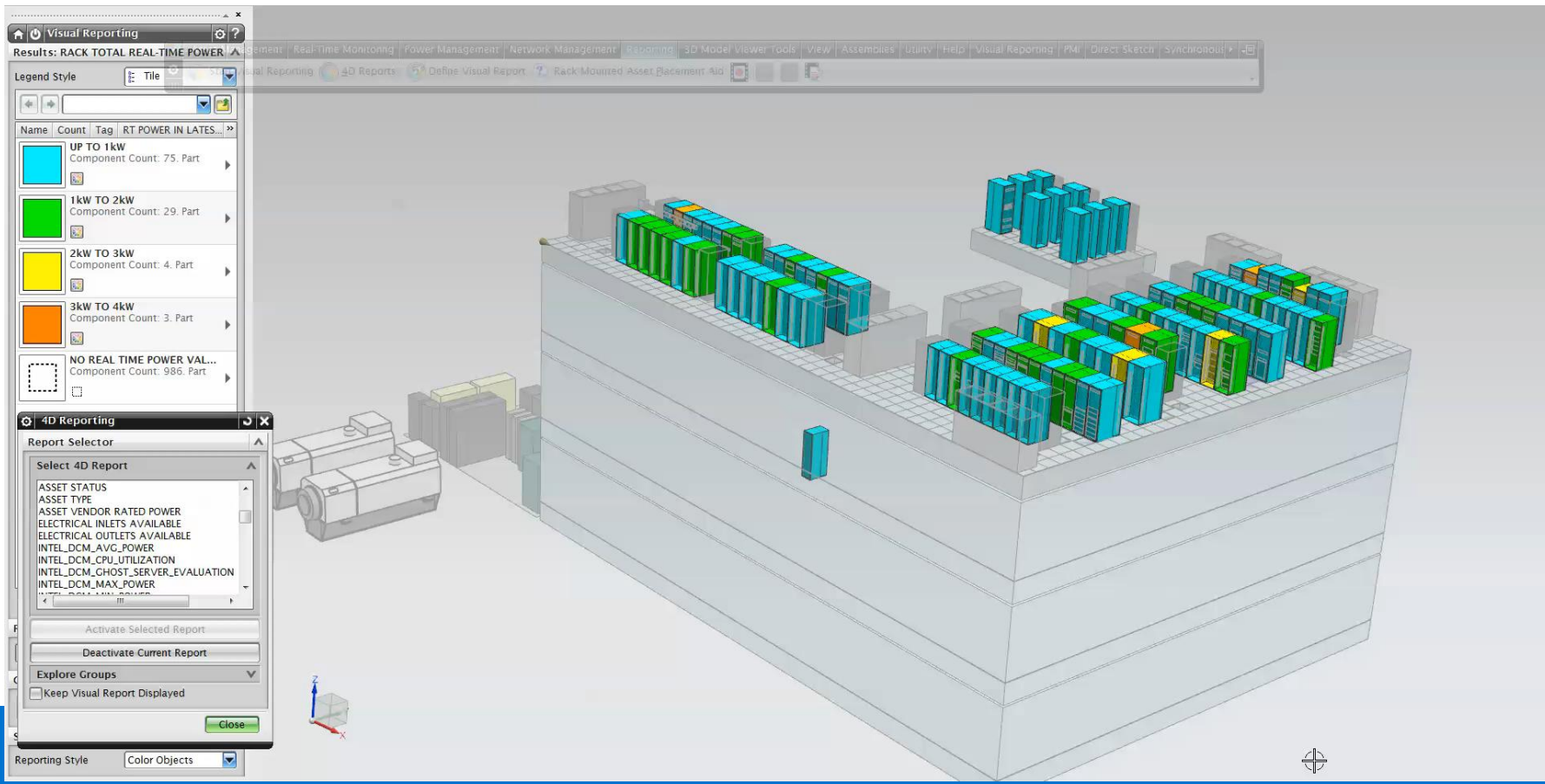


- ✓ Less execution risk
- ✓ Lower execution cost
- ✓ No hand-off wasted time
- ✓ Documented executions
- ✓ Management traceability
- ✓ Less risk of degraded service

- ✓ Starting a new datacenter
- ✓ Enforce best practice or standards such as SAS 70, SSAE 16, SOC 2 and SOC 3
- ✓ Execute a shut-down of equipment
- ✓ Defect correction process
- ✓ New IT asset addition process
- ✓ Enforce COBIT® or ITIL® processes

# Visualization is Key to Avoid Downtime

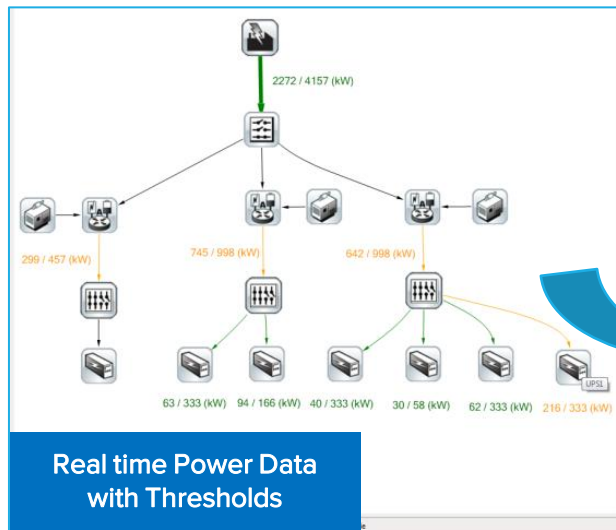
## Real-time Monitoring & Business Data on top of 3D



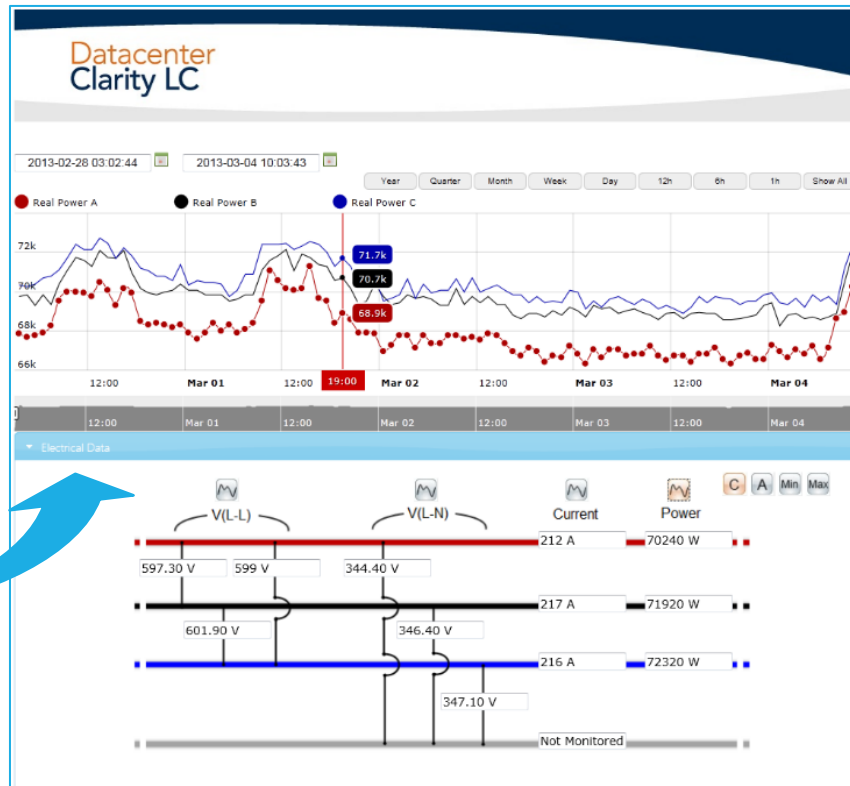
# Power Line Asset Relationships

## Trending Data is Key to Avoid Downtime

- Electrical Connections
- Power Monitoring and Trending
- Detailed Device Dashboard
- Troubleshooting and Planning

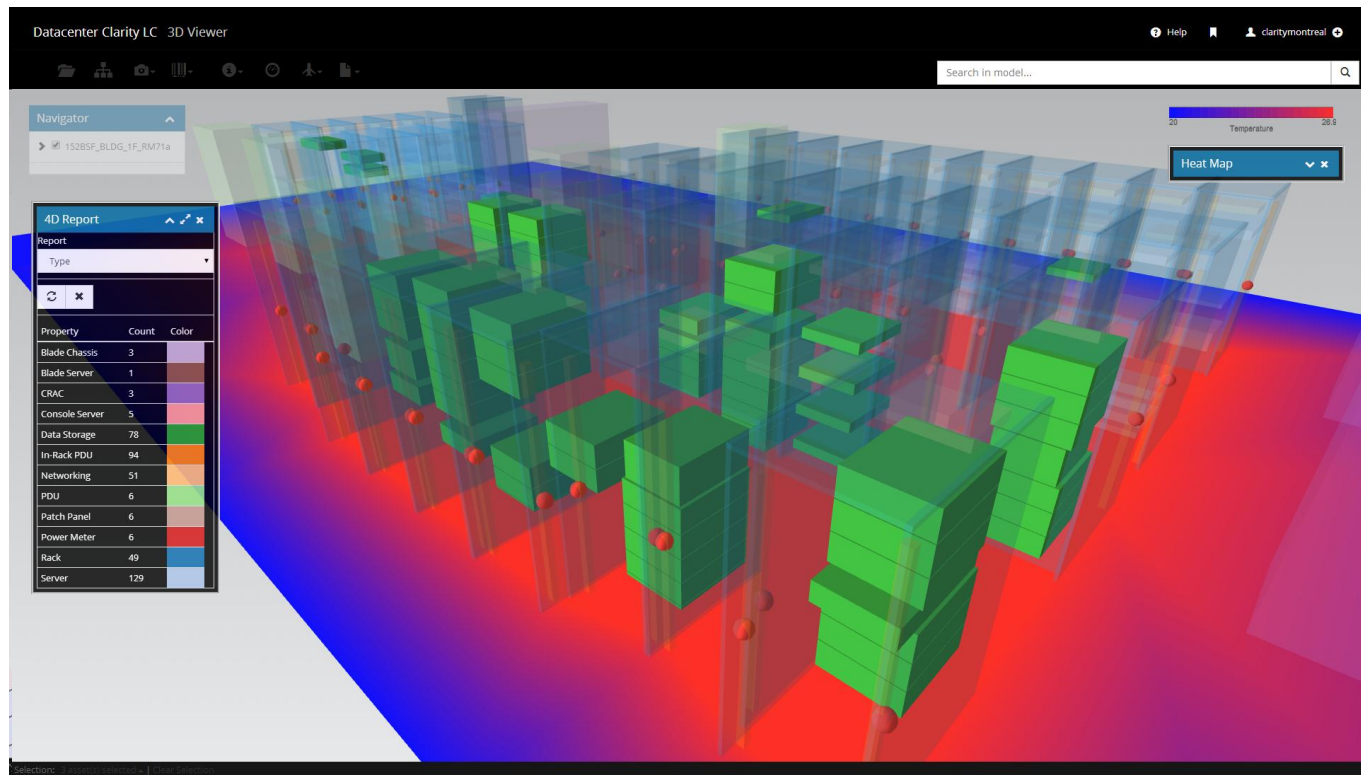


Detailed Device Dashboard powered by OSIsoft PI Data Server and Clarity AF templates



# Datacenter Clarity LC™

## Latest Innovation : 3D-based HTML5 Portable Web Client



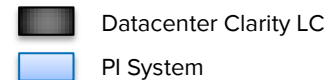
### Use case:

Portable environmental monitoring

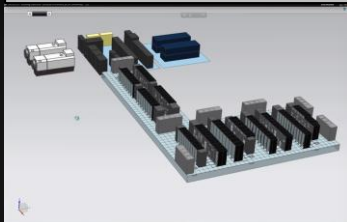
The power of combining 3D lifecycle management and real-time monitoring under a single pane of glass...

Datacenter Clarity LC™ powered by OSIsoft PI System

# Datacenter Clarity LC / PI System Integration Architecture

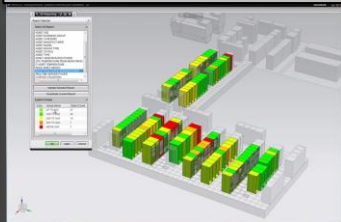


## Datacenter 3D Model



*AF Model Synchronization  
AF Configuration Strings Manager  
AF Elements Auto Creation  
PI Points Auto Creation*

## Real-Time Data



## Alarm Monitor



*Alarm Services  
Real-Time Notification  
Alarm Escalation / De-escalation / Deactivation*

## Real-Time CxO Dashboard



## Real-Time Ops Dashboard



*Rapid Data Access API*

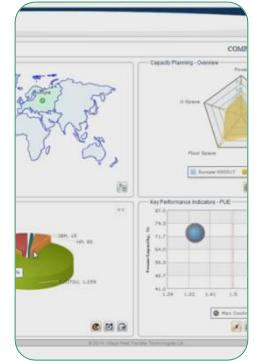
AF SDK

*Clarity Data References  
Roll-up  
Custom Calculation  
Clarity Library AF Templates*



# CLARIDION DCIM as a Service

**A strategic tool to ensure that the Data Center infrastructure is able to efficiently support the enterprise business objectives.**



## Business Challenges

- Design an appealing service offer for the management of Data Center Infrastructure in a recurrent revenues model

## Solution

- A scalable and evolutionary solution hosted in the Cloud

## Results and Benefits

- Making an essential requirement immediately affordable by reducing the upfront investment and deployment effort

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MAYA HTT Ltd

# Questions

Please wait for the **microphone**  
before asking your questions

State your  
**name & company**





THANK  
YOU

