

BENEFIT

The *Trellis™* Energy Management Solution enables you to manage the data center with a centralized solution, quickly and in a cost effective manner. This offering comes as a complete solution which includes both software and our professional services engagement. Combined, this package helps to accelerate your ROI.

The *Trellis™* Energy Management Solution is an off the shelf package that meets your business needs, and gives you the opportunity to scale up (and out) in the future under the same, single platform.

With the *Trellis™* Energy Management Solution, you are able to:

- Lower energy cost with power management of critical infrastructure
- Reduce total cost of ownership
- Increase productivity and power resource utilization

Problem

To enable the data center functions at peak performance, it is important to understand the sources of data center operating inefficiencies to identify areas for performance improvement. Without the ability to understand or monitor energy usage, there is a high probability of inefficiencies in the data center that can result in increased utility costs.

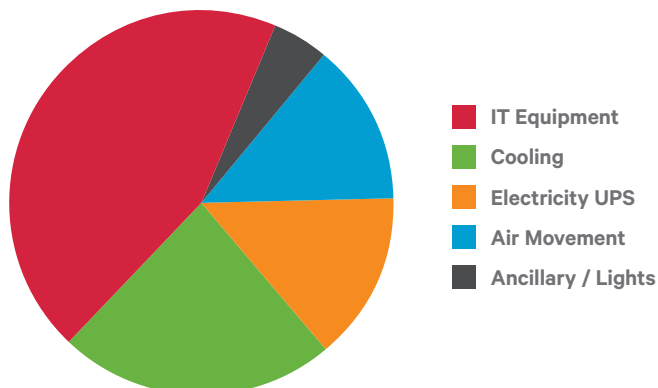
In order to understand your energy usage, you must first be able to accurately measure it. To properly measure usage, you must start with a baseline of the energy consumption of every part of the data center. To be accurate, this view must include all areas — such as IT equipment, power distribution infrastructure, and ventilation/cooling infrastructure. This is an often time-consuming manual data extraction process.

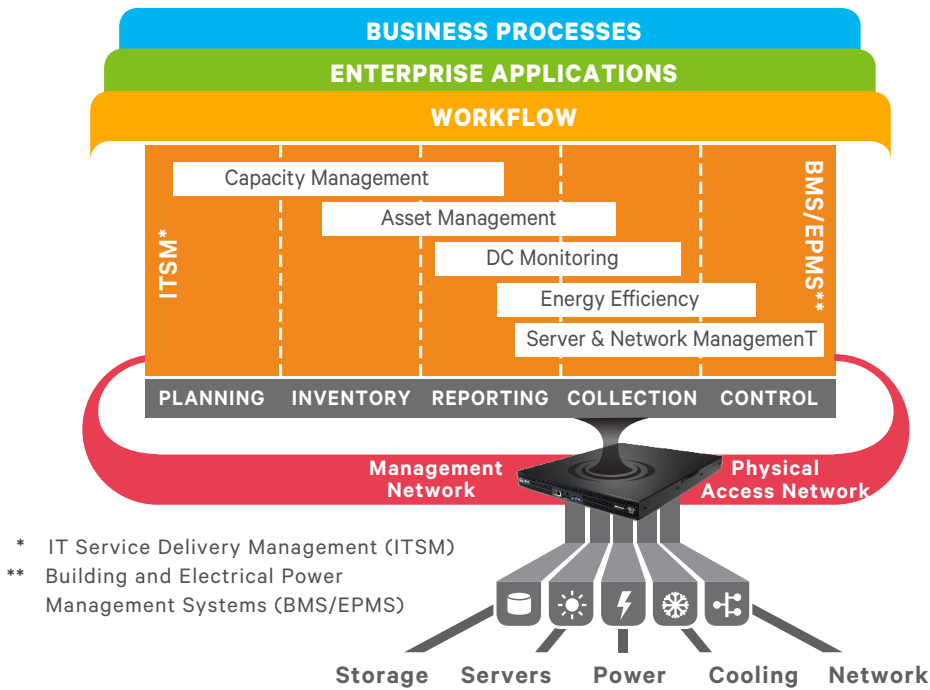
Insight into energy usage can help correct problems that result from not understanding the current power chain configuration can help to accurately measure cross department initiatives in the data center, can clarify dependencies within the power system in order to maintain and improve business continuity.

Solution

Meet your data center needs with the right-sized *Trellis™* Data Center Monitoring solution all in a complete package with software, hardware and services. With the *Trellis™* Energy Management Solution, you are able to:

- Correctly manage power and cooling to resolve energy issues in your critical environment
- Receive a comprehensive view of the power resources and utilization, for easier management of the complete data center power system – from utility to the rack power distribution
- Determine which devices are dependent on a device using configured connections, allowing you to plan for power changes and maintenance, and perform risk assessments
- Adjust operation loads on equipment based on actual information, to maintain service level agreements and improve efficiency – without worrying about availability
- Respond quickly to critical power issues 24/7/365
- Automate PUE, DCIE, and energy reporting





Solution Architecture

The *Trellis*™ solution architecture is structured in a way that all elements provide for a concrete architecture in the DCIM domain. The *Trellis*™ platform is based on real world use cases for best practices implementation that reduce risk and lower the cost of implementation, integration, and operation. Based on our work with a class-leading managed services provider, we have put in place a solution architecture that places our DCIM tool at the center of the provider’s operation with integration to their ERP, systems management software and billing systems.

Product Specifications

- Intel Xeon E5-2650 v2 2.60 GHz, 20M Cache, 8 Core
- (4) 16GB RDIMM - RAM
- (3) 600GB 10,000 RPM HDD – Raid 5 controller recommended
- GB Ethernet Adapter
- Recommended OS: RHEL 6.4
- Recommended VM management: ESXi

Key Feature Set

- Site Manager & Power System Manager for monitoring
- 15 FMDs for power infrastructure
- Installation and configuration of 1 floor layout (Professional Services)
- Ad Hoc Reporting
- Configuration of the one-line diagram for up to 15 nodes

- Training credit
- UMG 4000 for data collection
- Product knowledge transfer and value training specific to your energy management business needs
- 1 Year Silver maintenance

Next Steps

- [Request a Live Demo >](#)
- [View Improving Power Management and Energy Efficiency video >](#)