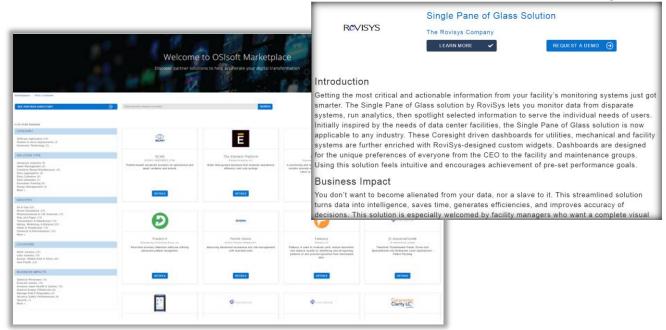
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https://partners.osisoft.com/solutions/solution/182/single-pane-of-glass-solution









Single Pane of Glass Solution

Presented by **Brian Polaski – Facilities Manager**











Agenda

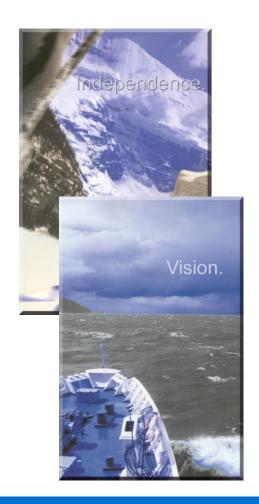
- RoviSys Overview
- Data Center Facility Challenges
- Single Pane of Glass Solution Benefits
- Single Pane of Glass Solution Overview
- Demo
- Q&A



Rovisys

RoviSys provides value-added technical services for process industries

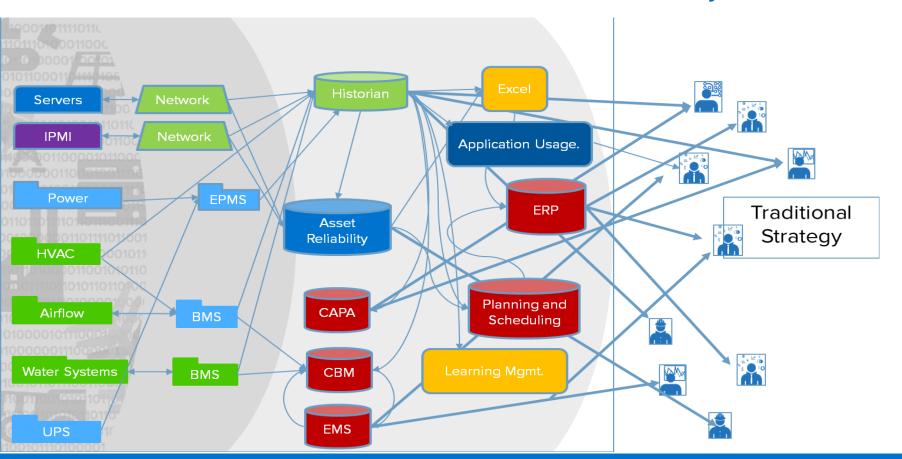
- **Business Focus:**
 - Process Automation
 - Manufacturing IT & MES
 - Network and Software Development
 - Electrical Engineering Services
 - Software Products
- Growth repeat business and long term relationships
- Independent key vendor relationships
- Diversified Not dependent on a single industry or client
- Client Focused





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The Realities of Data Silos in a Data Center Facility









The Business Challenges Limited data scalability **IPMI** Struggle to aggregate the data for a complete picture of operational integrity Traditional Unable to determine the utilization of the facility assets Strategy Difficult to measure the efficiency of the facility assets Trouble monitoring and reporting customer/business usage individually Unusable Alarming & Notifications



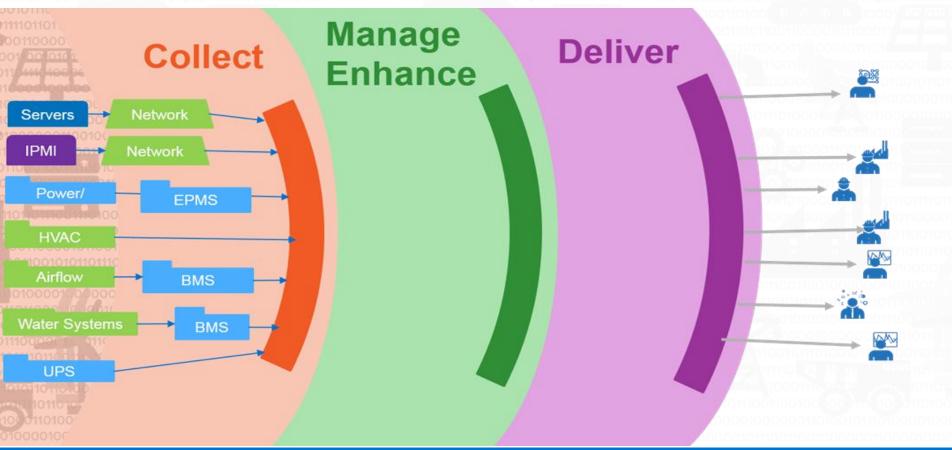
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Silos to Standards / Complexity to Simplicity









Enabler of the "Single Pane of Glass"

Collect

Manage

Deliver

- PI System scales to handle high volume and high transaction rates
 - Provides easy and relevant access to data for each level of the business as well as to various roles within the organization
- Breaks down the silos of information to improve business operations
- Custom Alarming
- RoviSys Industry and PI System Infrastructure integration experience

UP

IPMI

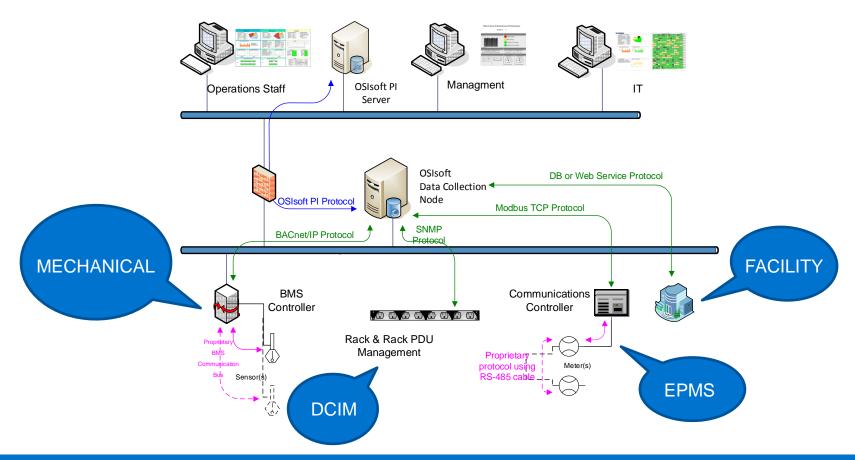








Solution Architecture







Templates w/ Analytics

Device / System Examples:

RPP

- **Breaker Utilization** 0
- PUE

UPS

UPS Efficiency

PDU Strip

- Outlet Utilization 0
- Stranded Capacity 0

Rack

- **Power Density**
- Capacity 0

Electrical

- Power Consumption
- PUE
- **DCiE** 0

Utility Totalizers

- **Power Meter**
- Gas Meter
- Water Meter

Mechanical

- Daily total cooling tower make-up water
- Chiller plant total thermal load 0
 - KW & tons
- Server floor air temperature & RH 0
 - average



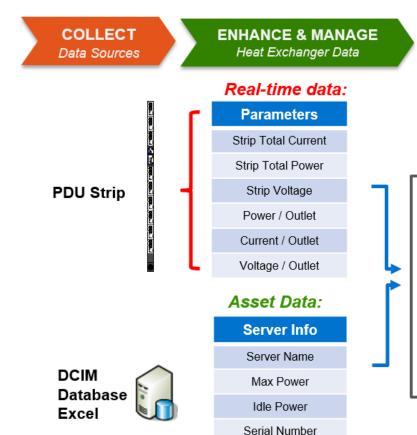








Transforming Data into The Single Pane of Glass



CALCULATE Performance

DELIVER The Right People





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Analytics

PDU Strip Outlet % Utilization

Rack

Power Density Avg. Capacity Utilization Rack Temperature

Rack Grouping

Avg. Power Density Avg. Capacity Utilization Rack Temperature

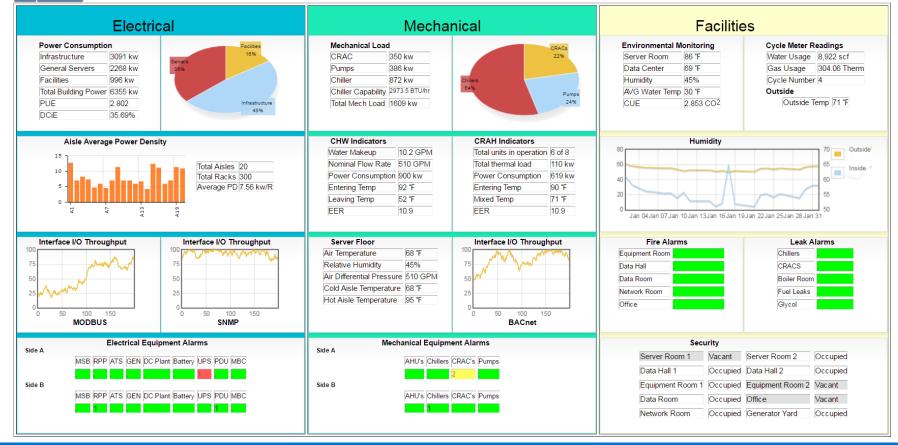






Visualization (HTML5)

ome IT Dashboard

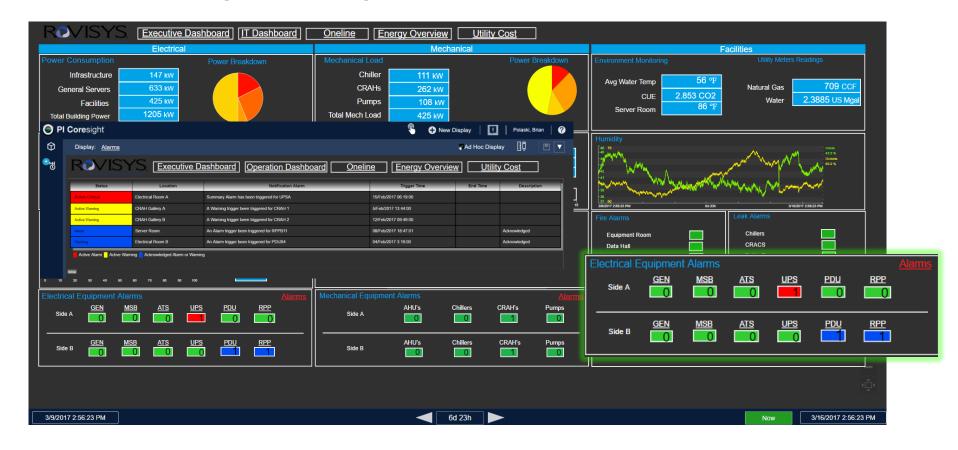








Visualization (PI Vision) and Alarms



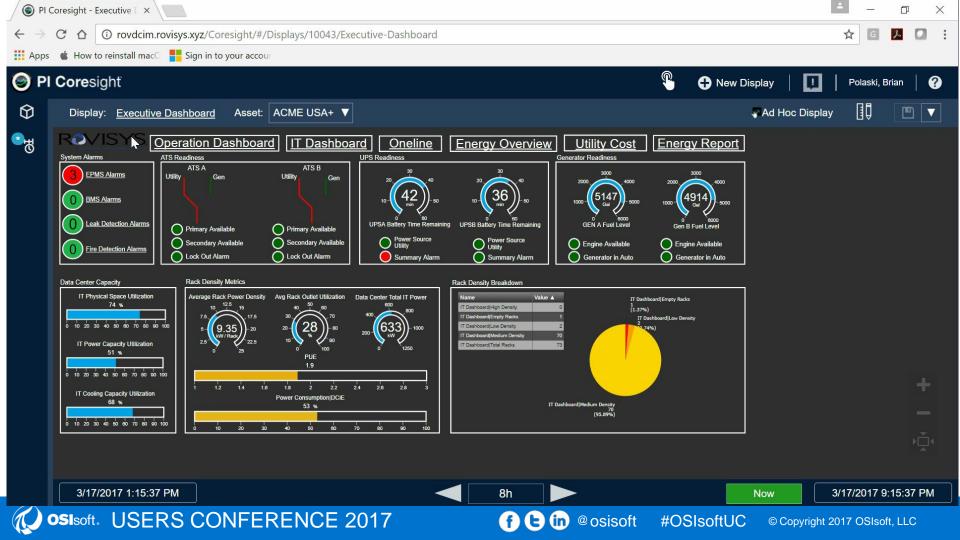
RoviSys PI Vision Widgets











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Questions

Please wait for the microphone before asking your questions

State your name & company

Please remember to...

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감사합니다

Danke

谢谢

Gracias

Thank You

ありがとう

Спасибо

Obrigado







Merci