

# The New Digital Standard for Data Centers

How the most successful data centers are recognizing inefficiencies to leverage technology that integrates disparate systems, increases agility and encourages asset predictability

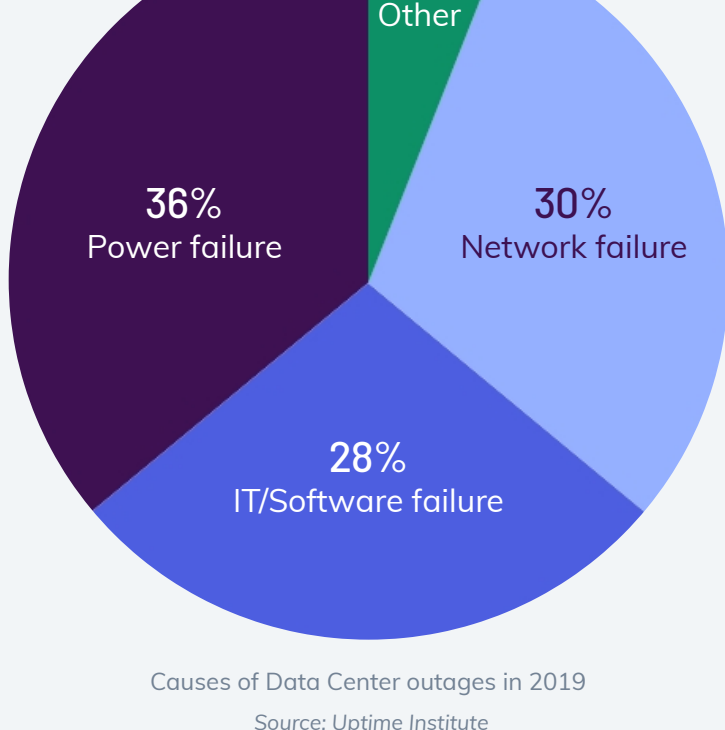
## The market environment is evolving fast



As data center operators race to keep up with increasing demand in computing and storage capacity, specific gaps in current operations are evident. To keep up with market shifts, data centers need to address current barriers so they can modernize technology and operations to reduce OPEX while keeping customer success at the forefront.

## Energy and operation inefficiencies no longer meet service level agreements

31% of centers faced downtime last year due to asset unpredictability. Around one-third of all reported outage cost more than \$250,000.



Causes of Data Center outages in 2019  
Source: Uptime Institute

### Additional causes of broken SLAs

- ✓ Higher expectation from customer on visibility and transparency of operation
- ✓ Lack of energy optimization
- ✓ Vendors and suppliers SLA tracking issues
- ✓ Lack of predictability due lack of advanced analytics
- ✓ Lack of focus on optimization of operational activities
- ✓ Lack of real time operational visibility across Data Center

## Operational immaturity creating reactive response to crisis mitigation

**1**

**LEVEL 1**  
Reactive

- All internal processes are centered on the management of critical projects
- No formal management tools
- Projects have budgetary estimates

**2**

**LEVEL 2**  
Emerging discipline

- Project processes are standardized
- Projects and programs are prioritized
- Project Managers (PMO) are established
- Projects are aligned to strategy

**3**

**LEVEL 3**  
Initial integration

- Specialized Project & Portfolio Management (PPM) Leader roles are formalized
- Career paths are defined
- Cross-functional groups are easily formed and collaboration is the norm
- Programs increasingly managed in house

**4**

**LEVEL 4**  
Effective integration

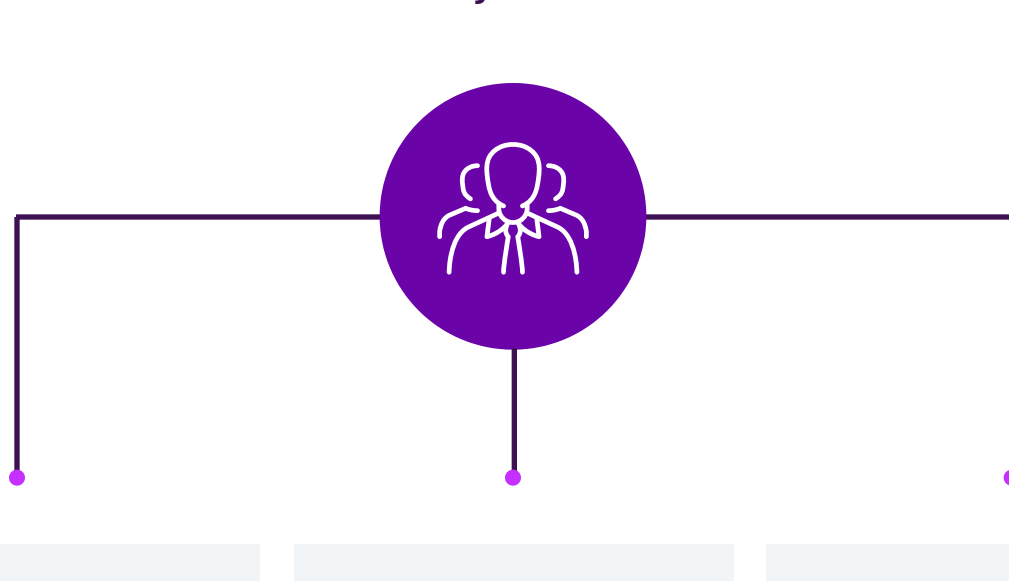
- Centers of competency improve workload management
- Benefit realization is being tracked
- Multiple methods exist and are used by Project Managers (PMs)
- Portfolio is modeled and appropriately optimized, factoring in risk

**5**

**LEVEL 5**  
Effective innovation

- Change management and comms are core capabilities of the project management office (EPMO)
- Change Operations provides a constant stream of mini-projects
- Rapid strategy execution is the focus of enterprise programs

## Stakeholder collaboration and accountability is non-existent



With multiple applications and systems, it can be difficult to have full visibility and situational awareness, making critical decision-making even more complicated

Siloed applications means that the IT layer does not interact with OT systems used to monitor events, processes and devices. This makes it challenging to make effective adjustments in enterprise and industrial operations

Organizations often have poor visibility into availability of assets and therefore how to utilize them optimally

## Transforming Your Data Center

System of systems approach: simplifying and optimizing with vendor agnostic, single pane of glass management

**Unifies IT & OT data systems into a single interface**

- 300+ drivers to import any connectivity
- IT/OT software and hardware agnostic

**Out-of-the-box performance management**

- Energy and asset performance tools built into solution
- Prescriptive analytics
- Asset utilization
- Downtime tracking
- Risk management

**Integrated workflow management capabilities**

- Workflow improvement among employees, departments, customers, and vendors
- Notifications & work order creation to minimize risk and disruption

**Template-based development**

- Create standardized templates
- Test templates
- Deploy for scalability
- Maintain solution

## Increasing operational efficiency and ROI with unified operations center

Data Centers that understand the three measures needed to revolutionize their operations embrace technological change. UOC breaks down silos, merges IT and OT systems, and gives infrastructure operators concise information to minimize risks, reduce costs, and optimize performance. Enjoy:

- 80% increase in engineering efficiency
- 15% fewer operating staff hours
- \$100k average saving for each predicted failure
- 15% less energy consumption
- 50% decrease in training time
- 40% growth in operator effectiveness
- 10% reduction in operating costs
- +5X detecting abnormalities
- 50% uptick in proficiency

Learn how AVEVA is raising the bar for Data Centers across the globe

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