

## HPE Infrastructure Condition and Capacity Analysis Services

### HPE Sustainable Data Center Modernization Services (SDCM)

#### What it is

The HPE Infrastructure Condition and Capacity Analysis Services provides a system-by-system evaluation of the critical infrastructure systems supporting your IT workload in your edge, on- or off-prem hybrid cloud DC facility. The analysis also evaluates the power and cooling capacity of your facility infrastructure and compares it to your current power and cooling loads. HPE provides this service because your business technology systems and applications may be unnecessarily exposed to availability risks. If the data center and supporting facility infrastructure systems that house them are not designed, operated, and maintained with the same reliability expectations you typically have for your computing systems, you're only covering half of the equation.

#### What it does

The HPE Infrastructure Condition and Capacity Analysis Services helps you understand your availability needs and how your facility infrastructure matches them—and what you can do about it. Additionally, by evaluating power and cooling capacity, this service provides you with quantitative information that can help you plan for future facility or edge-to-cloud expansion. The detail of the analysis determines:

- The electrical and cooling capacity of both the data center and IT load, as well as the existing electrical and cooling load levels
- The state of the facility infrastructure with regard to its installation, specifications, documentation, signage and labeling, maintenance, status, condition, and ability to meet the desired availability level
- How your business strategy lines up with your facility availability expectations in terms of its strengths and weaknesses, through an analysis based on industry tier-level standards
- Single points of failure, followed by high-level recommendations for improvement
- Energy-efficiency opportunities, followed by high-level recommendations for improvement

The services also provide:

- An overview of your facility's infrastructure equipment, illustrating its configuration, topology, type, and capacity
- A system-by-system analysis of the condition of major infrastructure systems and related documentation and operations procedures; the systems are analyzed and compared to best-in-class standards and your uncovered availability expectations

The HPE Infrastructure Condition and Capacity Analysis Services can help you:

- Benchmark your facility against availability classification tier-level standards
- Understand the electrical and cooling capacities of your data center facility and compare them against current loads
- Identify single points of failure that may affect overall facility availability
- Understand the condition of your facility infrastructure systems and how robust your operating processes are compared to your availability expectations
- Determine priorities for improving the overall reliability of the facility
- Identify high-level energy savings opportunities

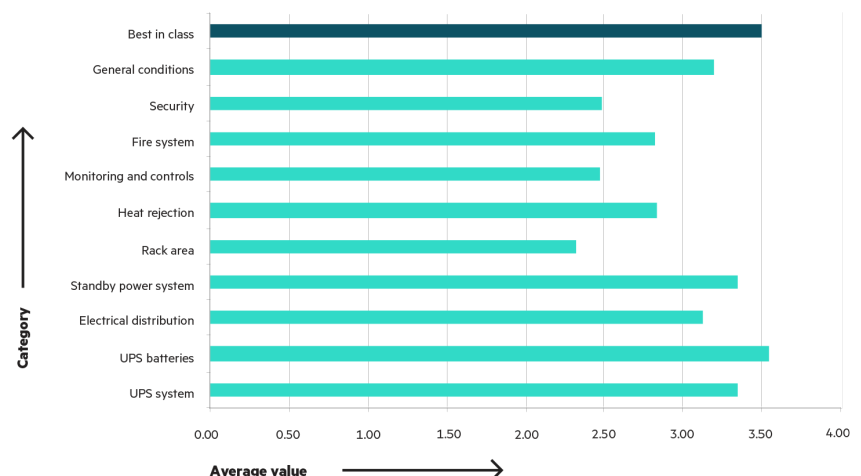


Figure 1. ICCA: Site assessment summary

## Why HPE SDCM?

Hewlett Packard Enterprise is at the forefront of many breakthrough ideas, pioneering the latest technologies' integration, and services incubation that makes us unique. We bring value to customers like you with innovative technologies, ways of designing, implementing, and running your data centers.

HPE SDCM mission is to guide our customers in their end-to-end data center modernization journey, from IT to network to facilities infrastructure, provide best in class solutions to assess current state, define strategy, design and build future data center, and reach operational intelligence supporting sustainability goals.

HPE SDCM practice opens the road to innovation, supporting your DC strategy from edge to cloud and empowering your vision for everything as a service with sustainability high on the agenda.

Armed with this unique mission, HPE SDCM can help you find answers to difficult questions about modernizing and optimizing your current data center frameworks. HPE SDCM has the ability to de-risk large complex solutions with our proven blueprints and standard solution packages. HPE SDCM is able to address the end-to-end transformation journey from IT to network to facilities across the entire data center lifecycle.

We take care of data centers in operation. We provide assessments for improving the energy efficiency or validate and enhance resiliency level. Furthermore, we create operational procedures, maintenance, and staffing plans. We establish state of the art best practices to facilitate IT infrastructure refresh and convergence in your transformation journey, including lift and shift or UNIX®-to-Linux® migration. IT architecture as well as implementation services are part of this game. And finally, we help securely connecting your data center premises to your enterprise network.

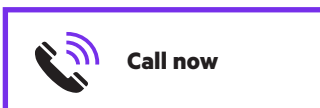
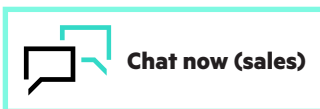
As an industry leader, HPE SDCM is ranked fifth of the top 60 largest data center engineering and engineering/architecture (EA) firms for 2022<sup>1</sup> (formerly known as HPE Data Center Technologies Services in the Survey), recognized for:


- Integrating of IT to network to facilities solutions: "From brick to hybrid cloud" an end-to-end holistic approach
- Anticipation of IT trends as an essential part of our data center design blueprints
- Providing support over the entire data center lifecycle, from strategy to operation and maintenance
- Completing over 3000+ projects in 40 countries
- Designing and commissioning over 7 million square meters (sqm) of data center projects that are up to 125 MW in size
- Designing 40+ LEED certified data centers
- Implementing dozens of data center infrastructure management (DCIM)/data center management system (DCMS) frameworks
- Conducting thousands of assessments and energy-efficiency studies

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<sup>1</sup> [bdcnetwork.com/top-60-data-center-engineering-ea-firms-2022](https://www.bdcnetwork.com/top-60-data-center-engineering-ea-firms-2022)

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