

What do we offer?

Future Facilities offer a range of services to assess and improve your data center cooling performance. We combine over a decade of hands-on data center experience with engineering simulation to improve energy efficiency, reduce thermal risk and assess operational plans.

Off-Site Service - Bronze Level

Our Bronze level service offers conceptual insight by using design documentation to simulate design intent. For existing sites, we evaluate data hall operation as defined by as-built drawings and commissioning data.

On-Site Services - Silver, Gold & Platinum Levels

We recommend our on-site services for all existing facilities. Our experienced professional services team will inspect and quickly assess your facility conditions. Following this, we provide advanced data hall analysis, using engineering simulation supported by comprehensive measurement and site audit.

How can we help?

Whatever your data center project, let us simulate it to ensure your plans don't put critical IT at risk.

Infrastructure Projects

- Increasing or consolidating capacity
- Upgrading cooling infrastructure
- Adding hot or cold aisle containment

Energy Efficiency Projects

- Raising data center temperatures
- Reducing fan flow rates
- Implementing free cooling technology

Resilience Projects

- Eliminating hot spots
- Simulating cooling or power infrastructure failure
- Ensuring SLAs



On-Site Services in Detail

Silver

Simulation results checked against spot measurements to indicate how well the input data reflects reality.

Gold

Calibrated simulation results up to the rack inlet, ensuring the simulated air delivery matches reality.

Platinum

Calibrated simulation results for the entire white space, ensuring the simulated air paths and cooling control systems match reality. This is our most comprehensive service, offering full visibility and understanding of your data center performance.

Service Level	Bronze	Silver	Gold	Platinum
Reporting Level				
Conceptual cooling performance	✓	✓	✓	✓
White space conditions		✓	✓	✓
Rack inlet conditions/SLA compliance			✓	✓
IT device inlet conditions				✓
Deliverables				
Model and free 6SigmaViewer software	✓	✓	✓	✓
Simulation and recommendation report	✓	✓	✓	✓
Site survey walk-around report		✓	✓	✓
Simulation vs. measurement (calibration) report			✓	✓
Survey & Measurements				
Thermal imagery		✓	✓	✓
Cooling unit performance measurement			✓	✓
Grille air flow measurement		Spot check	All grilles	All grilles
Floor void survey		Spot check	Main obstructions	All underfloor obstructions
IT inventory check				✓

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