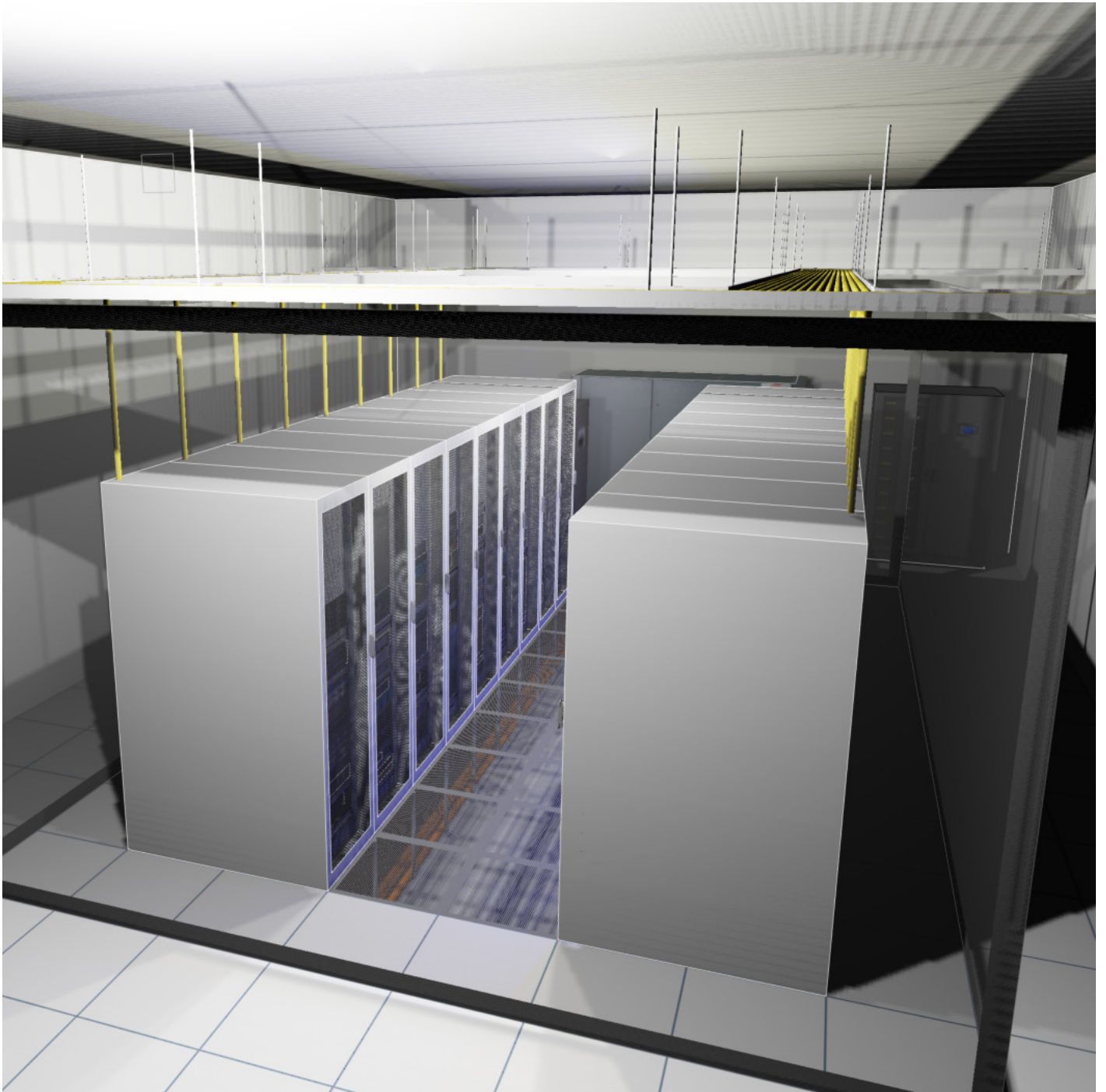# Get Visual About IT

6Sigma Digital Twin Integrations: netTerrain

Balance Operational Risks and Costs; Simulate Any Data Center Change

The 6Sigma Digital Twin by Future Facilities allows you to simulate any data center change, and to find the right balance between operational risk and cost. But how does it fit in with your current operational tools and processes?

6SigmaGateway is the modeling suite's dedicated integration tool. It can pull and push data from a wide range of leading Data Center Infrastructure Management (DCIM) tools straight into the 6Sigma Digital Twin, allowing you to seamlessly integrate your existing data with our powerful engineering simulation capabilities. This allows you to continuously model the impact of potential facility changes using the most accurate and up-to-date information available.

netTerrain is a suite of solutions for automated network mapping, DCIM, and outside plant cablemanagement. netTerrain DCIM provides a browser-based, multi-user platform for monitoring and visualizing your data center. Our integration allows 6SigmaGateway to bring your existing netTerrain asset data into a 6Sigma Digital Twin, so you can simulate your existing facility without duplication of effort.

6SigmaGateway can discover and monitor a wide range of netTerrain data, including:

Discover

Room	• Name
IT Equipment	• Manufacturer • model • height • width • weight unique ID • IP address • owner cabinet • cabinet slot chassis slot • nameplate power • installation status equipment type (enclosures only)
Cabinet	• Manufacturer • model • unique ID • height • width • weight

Monitor

Cabinet	• Temperature

How It Works

6SigmaGateway pulls data from netTerrain via APIs that allow the 6SigmaGateway service to communicate with netTerrain and retrieve its data.

The process is:

• 6SigmaGateway connects to netTerrain to query your files, checking for changes to the netTerrain model or any new live feed data.
• 6SigmaGateway pulls this data from netTerrain, and saves it.
• 6SigmaGateway synchronizes with a Digital Twin model in 6SigmaRoom. Users can then interact with this model and perform operational planning via 6SigmaRoom and 6SigmaAccess, the modeling suite's design and operational planning tools.
• 6SigmaGateway updates the 6Sigma Digital Twin model with the new data from netTerrain. You can then run simulations to visualize your facility's current cooling and find areas for improvement, or model future deployment plans and simulate their impact in your real-world facility.

Learn More

For more information about the 6Sigma Digital Twin and our DCIM tool integrations, including netTerrain, contact your local Future Facilities representative.

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