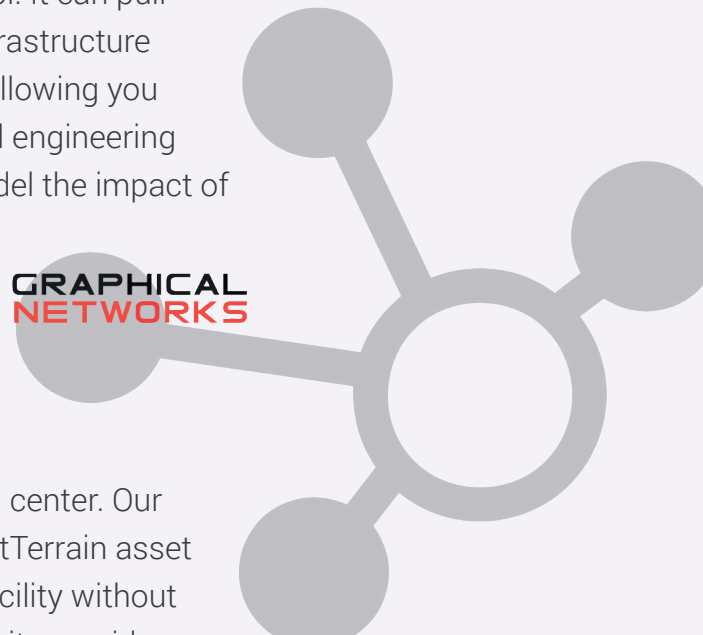# 6Sigma DCX

GRAPHICAL NETWORKS

6SigmaDCX Integrations: netTerrain

6SigmaDCX 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 DCX 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 DCX software, 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.

GRAPHICAL NETWORKS

netTerrain is a suite of solutions for automated network mapping, DCIM, and outside plant cable management. 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 DCX model, so you can simulate your existing facility without duplication of effort. 6SigmaGateway can discover and monitor a wide range of netTerrain data, including:
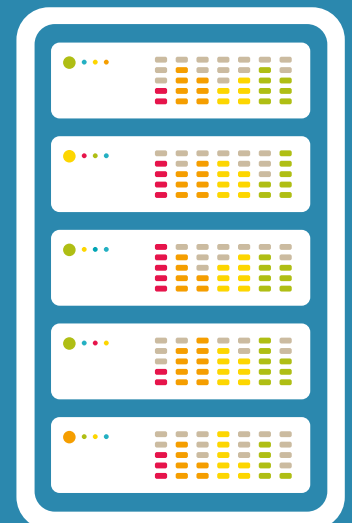
Discover

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 WCF (Windows Communication Foundation). WCF defines the message format that web service-enabled applications use to communicate with each-other over the internet, and allows the 6SigmaGateway service to communicate with netTerrain and retrieve its data. This process works as follows:

- 6SigmaGateway uses WCF to query your netTerrain 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 Virtual Facility model in 6SigmaFM, the DCX suite's operational planning tool.

- 6SigmaGateway updates the 6SigmaFM facility 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 6SigmaDCX suite and our DCIM tool integrations, including netTerrain, contact your local Future Facilities representative.

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