



Global Data Centre Expansion

Global Insurance Provider

Strengthening Network Resilience
and Enabling Global Growth

Project Overview and Objectives

Introduction

A global insurance provider was expanding its infrastructure to meet growing network demands. Flow played a key role in ensuring seamless deployments across multiple locations, enhancing reliability and efficiency.

We deployed VxRail, a hyper-converged infrastructure solution by Dell and VMware that integrates computing, storage, and virtualisation into a single platform for greater scalability and streamlined operations.

Objectives

1. Conduct comprehensive site surveys and audits of the existing infrastructure.
2. Install VxRail systems and structured cabling for multiple racks.
3. Support customer-led migrations and complete network configurations.
4. Ensure installation is completed on time and to specification, addressing all challenges.

Global Scope and Design

This project spans multiple international locations across Europe, Asia and North America, requiring Flow's expertise in managing large-scale deployments across diverse regions.

Flow conducted thorough site surveys to validate designs and assess logistical needs, ensuring optimal rack layouts and adherence to technical specifications.

Installation, Configuration and Testing

Flow successfully installed VxRail systems, structured cabling, and network devices, ensuring all components were accurately patched, connected, and configured.

Rigorous post-installation testing validated system performance and ensured seamless network integration. The team's proactive support minimised downtime, enabling a smooth transition in operations.

Challenges and Solutions

Coordinating large-scale rack installations across multiple sites posed logistical challenges. Aligning schedules, shipments, and hardware compatibility required careful planning.

Flow overcame these by conducting pre-installation assessments, optimising logistics, and maintaining real-time communication. Proactive troubleshooting ensured smooth execution and adherence to specifications.

Timeline

The project was executed in phases to ensure a smooth and efficient rollout. Four engineers spent six weeks on-site in Asia, successfully installing and configuring the data centre.

Meanwhile, two engineers in Europe managed installations over two-week periods, maintaining the deployment schedule.

Progress remains on track in North America, with 50% of the work already completed. Full completion is expected by April 2025, ensuring the effective meeting of all milestones.

Impact

The upgraded infrastructure strengthens the client's internal operations and enhances network resilience for customer-facing services. Increased capacity and redundancy provide a more reliable network to support the expanding business.

Client Benefits

- ✓ Improved network reliability and scalability for data storage and operations.
- ✓ Increased capacity to support large-scale migrations.
- ✓ Enhanced operational continuity for global business functions.

Global Expansion and Future Projects

Flow's continued partnership with the client is evident, with successful projects in multiple locations paving the way for future collaboration.

The upcoming installations in other regions are expected to follow the same model, further enhancing global operations.

Conclusion

Flow's successful execution of the client's data centre upgrades has significantly improved network reliability and operational efficiency.

As the client continues to expand globally, Flow is proud to be a trusted partner supporting its infrastructure needs.



"Flow's expertise was on display, with the team going above and beyond to deliver exceptional results. Their dedication and professionalism set the standard for excellence."

Director - Data Center Services

The Future Belongs to Those Who Adapt

At Flow, we do more than deliver solutions.

We partner with innovators to transform challenges
into opportunities.

Our tailored, outcome-focused approach ensures your
business is ready to thrive in an evolving landscape.

Let's Shape the Future Together

Whether you're looking to optimise infrastructure,
enhance security, or streamline global operations,
we're here to guide the way.

Reach out today to start your journey with Flow.

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