

CUSTOMER CASE STUDY

Hexagon builds a future-proof foundation for global connectivity and VoIP

A new data-center core, redundant connectivity and a silent VoIP migration for 50 offices worldwide.



Connect · Global Connectivity & VoIP
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Table of contents

01	Summary	03
02	Hexagon in general	04
03	The challenges	05
04	The solution	06
05	So, what's the result?	07
06	Ready to take the next step?	08

01 Summary

Hexagon (Intergraph) faced limitations with its legacy on-premise data center, restricting the global roll-out of cloud applications across 50 sites. Increasing demands for security, scalability and bandwidth — combined with the phase-out of ISDN — created the need for a new, future-proof infrastructure and a global VoIP solution.

Momentum assessed the existing infrastructure and advised on a new data center solution, with the NL-DC Data Centre at its core. Working closely with the Intergraph IT team, Momentum designed a tailored solution including a fully redundant connection to the new data center.

KEY TAKEAWAY

A supplier-independent, highly redundant and scalable infrastructure gave Hexagon's cloud strategy and IT security a major boost — with significantly higher bandwidth across all 50 offices.

A silent migration — with no user impact — was carried out for 1,000 phone numbers to a future-proof Global VoIP (SIP Trunk) solution.

The new infrastructure is a future-proof foundation that offers an enormous boost for the centralization of (cloud) applications, with improved performance levels and uptime for all 50 international sites.

02 Hexagon in general

Hexagon (Intergraph) is a global leader in sensor, software and autonomous solutions, committed to putting data to work to empower an autonomous future. Operating across more than 50 countries, Hexagon enables organizations worldwide to improve efficiency, productivity and quality through data-driven innovation.

Its global IT landscape plays a critical role in supporting advanced applications, IoT solutions and cloud-based services across all regions.

KEY TAKEAWAY

Hexagon’s data-driven business depends on a global IT landscape with performance, uptime and security to match.

20K+ EMPLOYEES	152 OFFICES
50 COUNTRIES	3.7K+ PATENTS

03 The challenges

A legacy data center at the heart of a global cloud ambition

Intergraph had its 'own' data center on location in Hoofddorp, the Netherlands. After the takeover by Hexagon it became one of four new global HUBs — hosting the largest concentration of global IT services and creating a sudden need to accelerate the move to an external data center.

- 1** The legacy on-premise data center restricted the global roll-out of cloud applications across 50 sites.
- 2** Demands for security, scalability and bandwidth kept increasing, while the WAN and its tunnels had to remain under the IT team's own control.
- 3** The phase-out of ISDN required a future-proof global VoIP solution for 1,000 phone numbers.
- 4** Existing suppliers were not providing adequate levels of attention, support and flexibility for a project of this complexity.

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Intergraph has more than 50 offices worldwide and is still continuing to grow. We want to keep control ourselves and be in a position to react flexibly. With a project as complex as this, the inevitable question is: how do you start?

Jim van Dijken

IS SPECIALIST, HEXAGON

KEY TAKEAWAY

A global cloud strategy needs an infrastructure partner that thinks along — not just a carrier that delivers lines.

04 The solution

The new data center at the heart of the WAN

Momentum assessed the existing infrastructure and advised on a new data center solution, with the NL-DC Data Centre at its core. Together with the Intergraph IT team, a tailored design was made — including a fully redundant connection to the new data center.

Consider the best possible scenario together

Momentum became an intermediary between Intergraph and its carriers, providing a strategic contribution to the entire process: plans for modernizing the infrastructure, and careful thinking about the different types of connections — creating an architecture that is future-oriented, scalable, flexible, redundant and safe.

Silent VoIP migration

A silent migration, with no user impact, was carried out for 1,000 phone numbers to a future-proof Global VoIP (SIP Trunk) solution — ready for the post-ISDN era.

KEY TAKEAWAY

Supplier independence plus a redundant, scalable and secure architecture — designed together with the IT team, delivered end-to-end.

05 So, what's the result?

The selected approach ensured independence from suppliers while delivering a highly redundant, scalable, flexible and secure infrastructure. This resulted in significantly higher bandwidth across all 50 Intergraph offices, giving both the cloud strategy and IT security a major boost.

With the new data center solution, Intergraph was able to further professionalize its backup and management processes. Legacy tape backups were replaced, eliminating manual work and reducing both costs and operational effort — and the data center now functions as a centralized backup location for all global sites.

In addition, optimized number plans were designed and implemented, improving overall accessibility across the organization. The 50 international sites now enjoy improved performance levels and application uptime, on a future-proof foundation for centralizing (cloud) applications.



It's the no-nonsense approach, personal contact, and ability to think along that make the collaboration distinctive. Momentum delivers end-to-end, from design and project management to full implementation.

Jim van Dijken

IS SPECIALIST, HEXAGON



CONTACT US

Ready to take the next step?

Momentum is a leading managed services provider that empowers international organizations to communicate and operate securely, reliably and flexibly in today's digital landscape. As the European arm of Momentum, a global provider of advanced connectivity, communication and security solutions, Momentum EMEA combines deep regional expertise with 24/7 service for over 250 global clients.

We deliver smart, integrated solutions for connectivity, communication, network security and related professional services. Clients benefit from one point of contact, one contract, one SLA and one invoice — regardless of the underlying providers.

Operating fully carrier-neutral, we partner with over 1,400 providers and 2,200 data centers in more than 190 countries and 8,500 cities worldwide. With our own Network Operating Center, a unique Global Voice Platform and an advanced Global Control Portal, clients have full visibility and control over their digital infrastructure.

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