

axians

Case Study

Geant

Industry Type
Research and Education

Web Site
www.geant.org

ACCELERATING WORLDWIDE RESEARCH AND COLLABORATION WITH IMPROVED NETWORK PERFORMANCE AND SERVICE

“Our partnership with Axians Networks spans over 13 years. Our relationship has stood the test of time because of the trust we place in their technical and project management teams and the flexibility, experience and commitment they demonstrate in delivering each and every project.”

Mark Johnston, Chief Network Operating Officer,
Geant

THE OBJECTIVE

In order to provide its partners with improved connectivity services and improved speeds of delivery, GÉANT needed to upgrade its GÉANT 1 network.

THE RESULTS

IMPROVED NETWORK EFFICIENCY

- Stronger bandwidth and improved connectivity
- Data flows receive a higher level of performance
- Operational simplicity and flexibility

BRAND REPUTATION

- Improved and secure end-user experience
- Robust and future proofed network
- Improvements in Pan European R&E

SPEED OF DELIVERY

- Rapid development across 34 countries enabled by a consistently designed network
- Migration to new hardware on a live network with no disruption of service
- Risk management analysis and project management expertise

THE BENEFITS

- A new network that has been built for performance
- Critical improvements to latency and delays in processing data
- A flexible and committed partnership
- Speed of delivery through dedicated project management

"If I were to sum up in one word why this network needs to exist and why it is built and designed the way it is, it would be 'PERFORMANCE'."

"I commend Axians on the flexibility and commitment they have demonstrated in delivering the GÉANT 2 network."

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FOCUS AND CHALLENGES

GÉANT's partnership with the National Research and Education Networks (NRENs) is at the heart of everything it does. Being a public sector body funded by the EU commission and supported by its NRENS partners, GÉANT proceeded with an Official Journal of the European Union (OJEU) tender process, which was duly awarded to Imtech (Now Axians Networks Ltd). Upon the successful tender, Axians provided expert project management and professional services which included: high level and low level design, pre-staging of all equipment, testing of all equipment and configurations, shipping and installation services to 18 different locations, as well as acceptance testing and go live services.

GÉANT 2 NETWORK REVOLUTIONISES PAN-EUROPEAN R&E COMMUNITY

Axians set about designing the new network to benefit GÉANT 2 end-users with an improved and secure connectivity and experience.

Following a time restricted project rollout managed exclusively by Axians, the new GÉANT 2 network was completed with locations across 18 different sites.

CORE ELEMENTS OF THE SOLUTION

- 100Gb ready with clear roadmap
- Hardware router virtualisation options
- Implementation of IPv4 and IPv6 services
- JUNOS operating system across all platforms

THE COMPANY

For more than two decades, GÉANT has been delivering networking excellence. By collaborating and listening to its users and stakeholders, scientific research partners and other e-infrastructures, GÉANT has been at the forefront of network and service development: to keep ahead of the fast-changing demands of the world's research and education requirements.

Today, the GÉANT network connects 43 European NRENs, over 50 million users at 10,000 institutions and reaches 66 countries outside Europe.