

Customer:

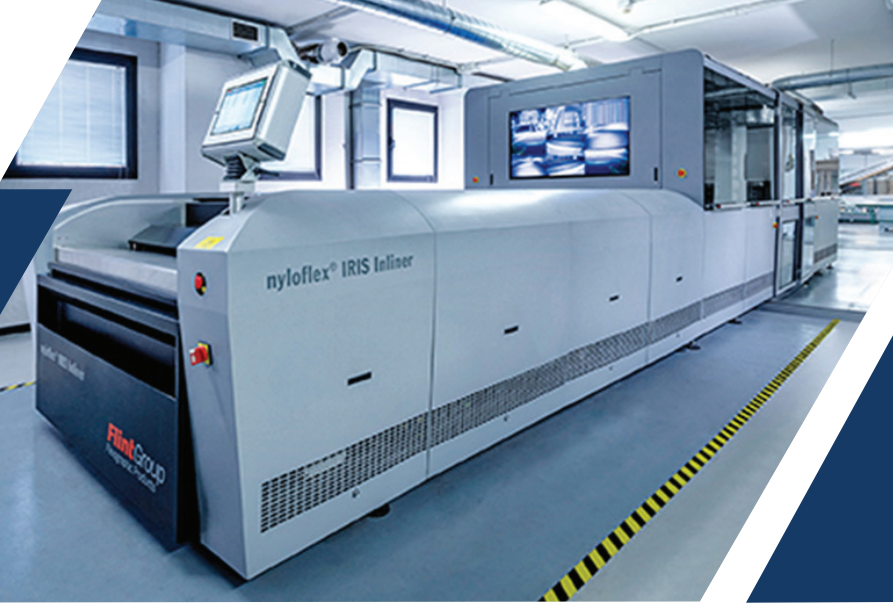
Roveco

Location:

Monza MB, Italy

Market:

Manufacturing/Industrial



ROVECO Modernizes Network to Guarantee Always-On Communications and System Resilience



Roveco stands as Italy's leading company in flexographic prepress — a critical step in achieving high-quality flexible packaging. The company specializes in ensuring chromatic and tonal accuracy, smooth gradations, sharp logos, and crystal-clear text readability — all essential elements for premium print results.

Founded in Milan in 1964 as Roveco Clichè, the company has consistently invested in cutting-edge technology, advanced machinery, and workforce training. This long-standing commitment to innovation and excellence has made Roveco a benchmark in the industry.

Since the 1990s, the company has also operated under the Digital Flex and FuturFlexo brands. Today, with a turnover of €7 million, a team of 50 employees, and more than 10,000 orders processed annually, Roveco continues to grow and consolidate its leadership. In 2024, the company unified all operations under a single, strengthened brand: Roveco.

Project Objectives

- Modernize the network infrastructure through a complete technological upgrade
- Implement a high-availability architecture to guarantee business continuity
- Ensure high performance and bandwidth to support strategic applications, particularly graphic workstations
- Simplify scalability and maintenance, enabling easier future expansion and streamlined operations

The Goals of the Project

The project was developed in collaboration with IQUAD, a long-standing partner with whom we've been working for years to

“At Allied Telesis, we have found a reliable partner capable of meeting our network availability and performance requirements, with solutions suited to any environment and application. For us, ensuring continuous service, robust security, and unwavering reliability is essential — all for the benefit of our customers.”

Andrea Vergnano

President & Managing Director, Roveco s.r.l.

design and implement network infrastructures that are reliable, scalable, and future-ready. This ongoing relationship enables us to confidently address complex challenges, turning our customers' operational needs into tangible, high-value solutions.

The main goal of this project was to modernize Roveco's network infrastructure by replacing outdated and inconsistent equipment with new-generation LAN solutions that offer higher efficiency and greater uniformity. The upgrade was specifically tailored to meet the company's evolving operational demands, particularly the intensive use of graphic workstations, which require high bandwidth and ultra-low latency for seamless handling of large files. To support these workloads effectively, the network was

“Our mission is to transform network infrastructure into a true value driver for our customers. By leveraging Allied Telesis solutions, we design and deliver robust, scalable, and secure architectures that guarantee operational continuity and top-tier performance across all application environments.

The synergy between our expertise as a system integrator and the proven reliability of Allied Telesis technologies enables us to anticipate evolving business needs, minimize downtime, and enhance data protection. This approach empowers our customers to achieve greater efficiency and sustained growth, while strengthening their competitive edge in an increasingly dynamic market.”

Andrea Gallazzi

IT architect and Consultant

IQUAD

equipped with dedicated switches featuring 10 Gigabit Ethernet ports, ensuring optimal performance for graphics-intensive tasks.

Another critical aspect of the intervention involved rationalizing the fiber optic backbone infrastructure, increasing its capacity to handle rising data traffic and preparing the network for future technological developments. The design also prioritized reliability and continuity of service: the new architecture features built-in redundancy and resilience to minimize the risk of disruptions to production processes.

Finally, the project created a solid foundation for Roveco's continued growth by delivering a scalable and future-proof network, ready to support next-generation applications, including Industry 4.0 and Internet of Things (IoT) initiatives. The introduction of centralized network management tools further improved infrastructure oversight, enabling faster response to anomalies and reducing the operational workload on the internal IT team.

The Solution

To meet Roveco's stringent reliability requirements, a resilient network infrastructure was designed to withstand connection failures or device outages without disrupting communication between terminals and the data center.

The entire network was constructed using fiber optic technology to ensure high performance and full compatibility with future technological advancements.

For critical workstations handling heavy workloads and intense traffic, high-performance network devices were deployed to minimize latency and eliminate bottlenecks along the data path.

The Devices

Roveco's network infrastructure is built on a two-tier core-access architecture, utilizing Allied Telesis xSeries equipment.

At the core, two x950 Series switches are stacked to provide high availability and performance. These core switches connect on one side to the access layer switches and on the other to the data center servers.



x950 Series

Access switches dedicated to graphics workstations are from the x550 Series and are linked to the core via 40 GbE optical interfaces, ensuring the high throughput required by data-intensive applications.



x550 Series

For other network services, x530L Series access switches are deployed, available in both PoE (Power over Ethernet) and non-PoE variants to accommodate diverse device needs.



x530L Series

The entire infrastructure is configured and managed through AMF Plus (Allied Telesis Autonomous Management Framework™ Plus), which streamlines administration and reduces network management overhead.



Autonomous Management Framework Plus

Results

The new network met Roveco's requirements, providing secure and reliable connections to all connected users.

Graphics workstations connected to dedicated switches with 10 GbE ports experienced reduced times for saving large files.

About Allied Telesis

For over 35 years, Allied Telesis has been delivering reliable, intelligent connectivity for everything from enterprise organizations to complex, critical infrastructure projects around the globe.

In a world moving toward Smart Cities and the Internet of Things, networks must evolve rapidly to meet new challenges. Allied Telesis smart technologies, such as Allied Telesis Autonomous Management Framework™ Plus (AMF Plus) and Enterprise SDN, ensure that network evolution can keep pace, and deliver efficient and secure solutions for people, organizations, and "things"—both now and into the future.

Allied Telesis is recognized for innovating the way in which services and applications are delivered and managed, resulting in increased value and lower operating costs.

Visit us online at alliedtelesis.com