

Azienda Socio Sanitaria Territoriale di Lodi

A secure, high-performance network and communications platform provides the right solution for healthcare innovation.

"Our primary goal was to increase the efficiency of our geographical network and prevent past issues, such as the disruption of a connection route, from completely isolating hospitals."

Flavio Cassinari, Chief Information Officer - Azienda Socio Sanitaria Territoriale di Lodi

The Azienda Socio Sanitaria Territoriale di Lodi (ASST Lodi) staff of 2,000+ works together across four hospitals and multiple health centres to provide more than 1,000 services daily to a community of 200,000 in Italy's Lombardy region.

CHALLENGES

ASST Lodi was in the planning stages of a network upgrade when the pandemic struck. The crisis accelerated the need for Smart Working that would enable greater flexibility to enable the re-planning and re-scheduling of health services. It highlighted the urgent need as well, to equip even the most remote healthcare sites with high-speed secure connectivity. At the same time, ASST Lodi required more bandwidth and flexibility to support the digitalisation of healthcare applications, ensuring service continuity up to the patient's bedside for applications such as cardiopulmonary resuscitation which requires networked infusion pumps to manage drug injections.

ACTION

ASST Lodi implemented the [Rainbow™ by Alcatel-Lucent Enterprise](#) cloud communications platform, which quickly provided the flexibility for staff to adopt Smart Working practices from any location using their mobile phones. Today, the platform also allows staff to consult with medical experts from around the world and host round tables to study specific clinical cases.

ASST Lodi has also deployed a new network infrastructure with advanced backbone switches and high-end data centres to interconnect all remote sites within a ring infrastructure using 10-100 GbE links. The multi-service network uses [Shortest Path Bridging \(SPB\)](#), a flexible, highly resilient and secure protocol that meets the market requirements of a vertical such as healthcare which requires the highest levels of redundancy and reliability for business continuity.

PRODUCTS AND SERVICES

[Rainbow™ by Alcatel-Lucent Enterprise](#)
[Alcatel-Lucent OmniSwitch® 6900 Core and Data Centre Network Switches](#)
[Alcatel-Lucent OmniSwitch® 6860 \(E and N\) Stackable LAN Switch](#)
[Alcatel-Lucent OmniAccess Stellar AP 1411](#)

RESULTS

Technical benefits

- Maximum network reliability and redundancy for bandwidth and performance
- Transmission rates increased from 1GbE to 10GbE, enabling rich service delivery to remote hospitals from main data centres
- Increased throughput from 1/10 GbE to 10/40/100 GbE at main site and data centres allows digitalisation of healthcare applications
- Optimised traffic distribution with SPB protocol solution
- Reduced IT complexity, optimising time and effort to adopt cloud
- Increased network security

Financial benefits

- Service delivery interruptions eliminated
- High-performance, versatile network supports expansion strategies
- Enhanced workforce stability due to Smart Working implementation

User experience benefits

- Flexibility in workplace and communication and collaboration devices choice with Rainbow platform
- Extended collaboration with medical experts through flexible communications tools
- Improved conditions for delivering patient medical services and consultations

Business Partner



WANT TO TALK WITH SOMEBODY?
[CONTACT US](#)

Customer Story*

MARKET: **HEALTHCARE**
 DEAL IMPLEMENTED: **2024**

COUNTRY: **ITALY**
 NUMBER OF USERS: **2,000+**

ORGANISATION: **AZIENDA
 SOCIO SANITARIA
 TERRITORIALE DI LODI**

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