

Enabling Secure, Cloud-Managed Wi-Fi Connectivity for Rural European Communities



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Introduction

Delivering reliable and secure Wi-Fi to rural towns, villages, and regional councils is a key challenge across Europe. Wavesight, partnering with Galgus and local ISPs, offers cloud-managed Wi-Fi solutions that meet modern standards like WPA3 security and Passpoint authentication, supporting scalable, high-quality internet access and network analytics for public service providers.

About the Client

- Local government councils, municipalities, and ISPs serving rural populations across various European regions.
- Focused on improving digital inclusion and public Wi-Fi access in underserved communities.
- Committed to adopting secure, manageable, and user-friendly wireless infrastructure.

The Challenge

- Providing affordable, high-performance Wi-Fi connectivity in geographically dispersed, low-density rural areas.
- Ensuring network security with advanced encryption and seamless user authentication.
- Maintaining ease of operation through centralized cloud management and real-time network analytics.
- Delivering scalable solutions suitable for town-wide or multi-village deployments.

Solution Overview

- Deployment of cloud-managed Wi-Fi networks leveraging Galgus Cognitive Hotspot™ Technology for automated optimization.
- WPA3 and Passpoint standards implemented to secure user access and enhance roaming experience.
- Centralized management platform providing analytics, security monitoring, and network performance insights.
- Collaboration with local ISPs to facilitate effective deployment and ongoing support.

Results & Benefits

- Enhanced connectivity and internet access for over 1 million users across rural European communities.
- Secure, reliable networks that comply with contemporary Wi-Fi security standards.
- Reduced operational complexity through cloud-based management and automated network tuning.
- Data-driven insights enable councils and ISPs to plan and improve local digital services.

Why Wavesight?

- Proven expertise in delivering secure, scalable wireless networks tailored for challenging rural environments.
- Strong partnership with Galgus, a leader in AI-driven Wi-Fi technology and network analytics.
- Experience working with local ISPs and public sector clients to enable inclusive digital infrastructure.
- Commitment to ongoing innovation and compliance with European data privacy and security standards.