

High-Performance Wi-Fi Deployment

in Shopping Centres
and Malls in Barcelona,
Spain



CONNECTING YOUR WORLD

Introduction

Wavesight partnered with Galgus to deploy a high-performance Wi-Fi network across multiple shopping centres and malls in Barcelona, Spain. The solution provides reliable internet access for visitors and staff while offering management actionable location analytics to optimize operations and customer engagement.

The Challenge

- Ensure shoppers, visitors, and retail staff have uninterrupted, high-speed internet access throughout large, densely populated mall environments.
- Provide mall management with data on customer movement, dwell time, and footfall to inform commercial strategies and capacity planning.
- Support simultaneous connectivity demands without degrading network performance.

The Solution

- Implemented Wavesight's enterprise-grade Wi-Fi access points integrated with Galgus's location analytics platform.
- Deployed a network architecture capable of handling thousands of concurrent users with minimal latency and seamless roaming between zones.
- Enabled real-time analytics dashboards for administrators to monitor device movements, visitor density, and popular areas within the centres.

Results

- Shoppers and staff experience reliable, high-speed connectivity across all floors and common areas.
- Management gains visibility into footfall patterns, peak times, and customer preferences, enabling targeted marketing and improved space utilization.
- The scalable solution supports future expansion and feature upgrades, ensuring long-term operational efficiency and enhanced visitor experience.

Contact us to design a connected, data-driven environment tailored to your needs.