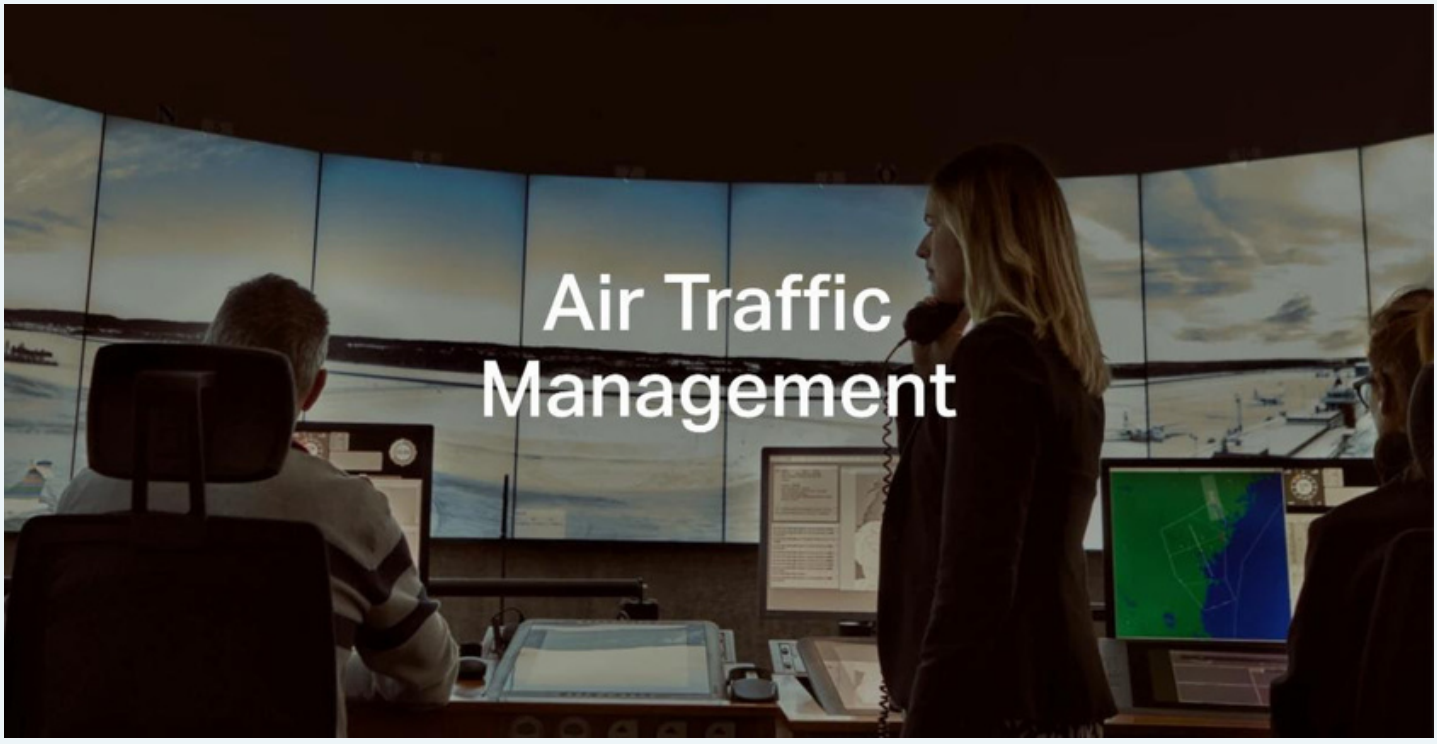
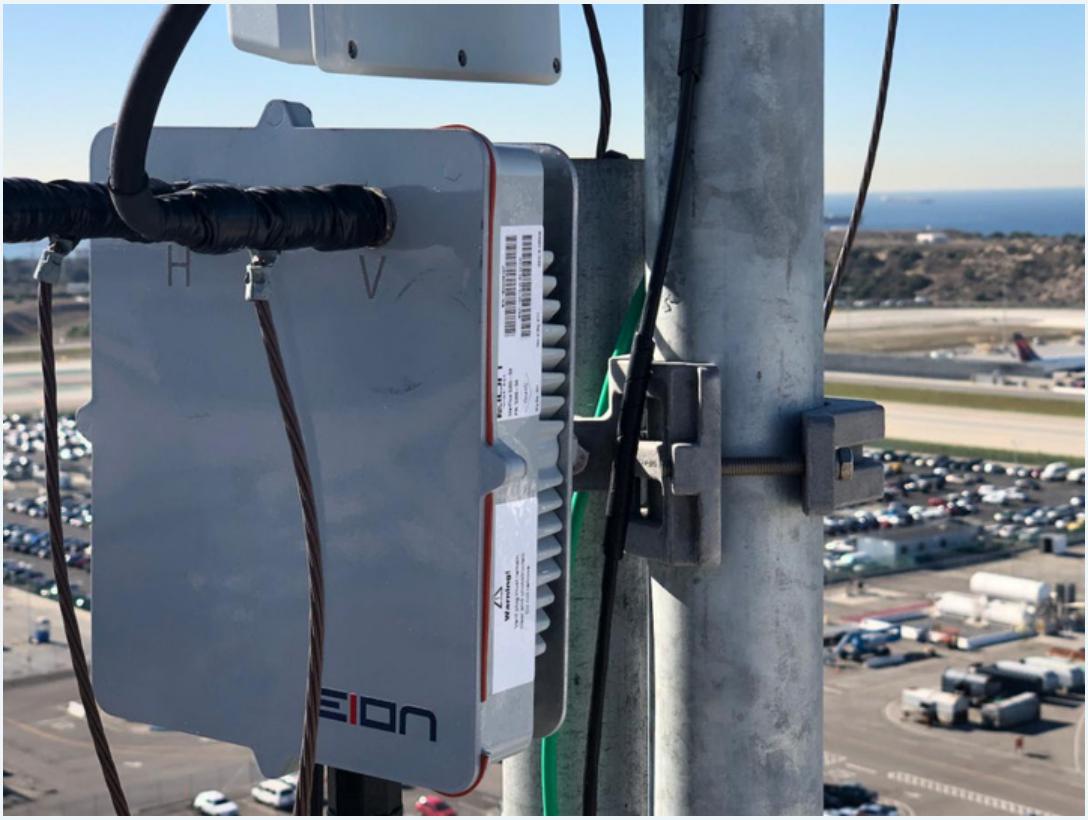
# EION ByTES

## Case Study: Air Traffic Management in LAX Airport using EION Radio System Wireless Infrastructure

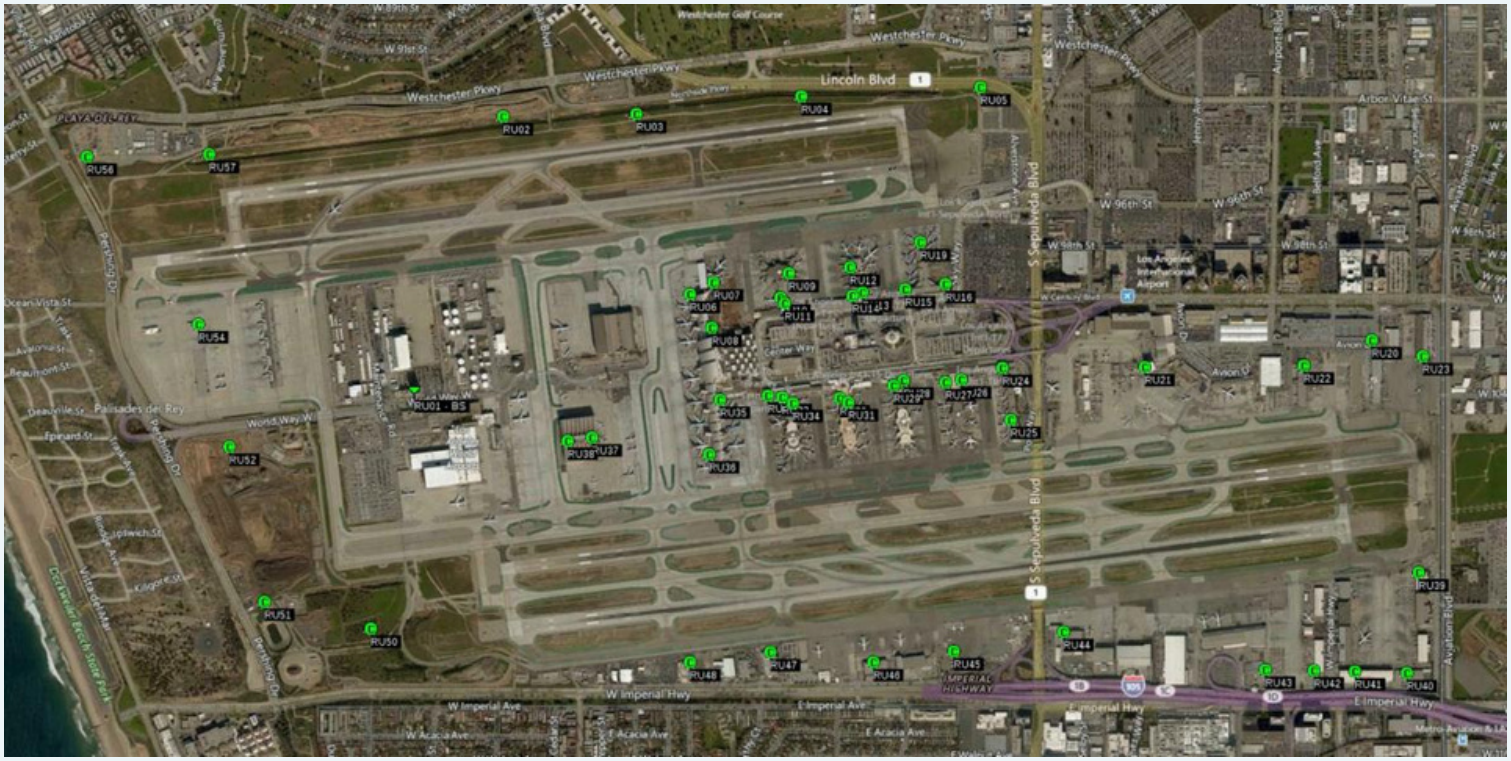
## Air Traffic Management Application




**A top air navigation service provider of air traffic solutions for airports and airlines with a presence in more than 45 countries and over 100 locations has a partnership with EION.**

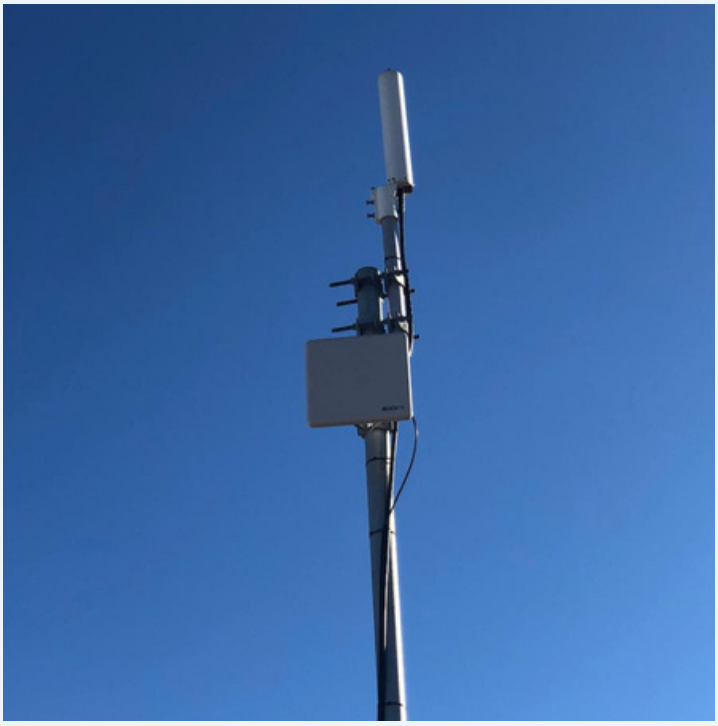



**The air navigation service provider for LAX airport has implemented the EION Wireless Radio system as a standard for their wireless infrastructure throughout the airports. This system provides surveillance on the airport surface and during the approach to improve the air traffic controller's ability to manage airport traffic regardless of visibility and weather conditions.**

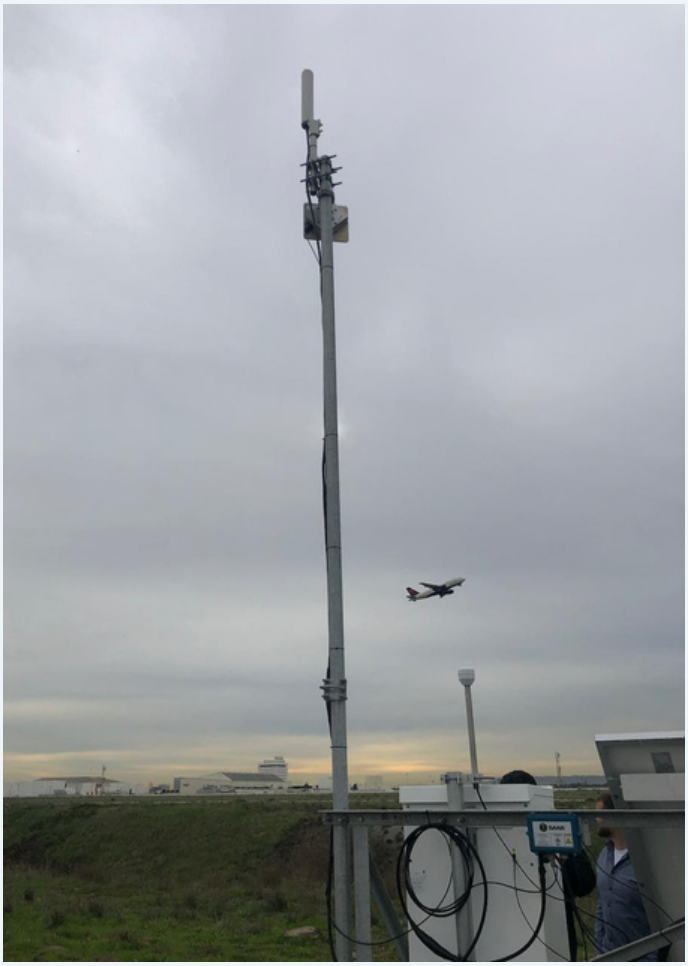


# Overview of the LAX International Airport Project

The pictures featured in this article are from a recent deployment of their Advanced Surface Movement Guidance and Control (A-SMGCS) at Los Angeles (LAX) International Airport. They utilize 51 EION Remote Radio systems across all terminals to communicate with the Air Traffic Control Tower throughout the airport and within a 5-square-kilometer area. The deployment of the wireless network infrastructure was completed in four months, making the airport fully ready for the A-SMGCS system to integrate with the airport operation system.



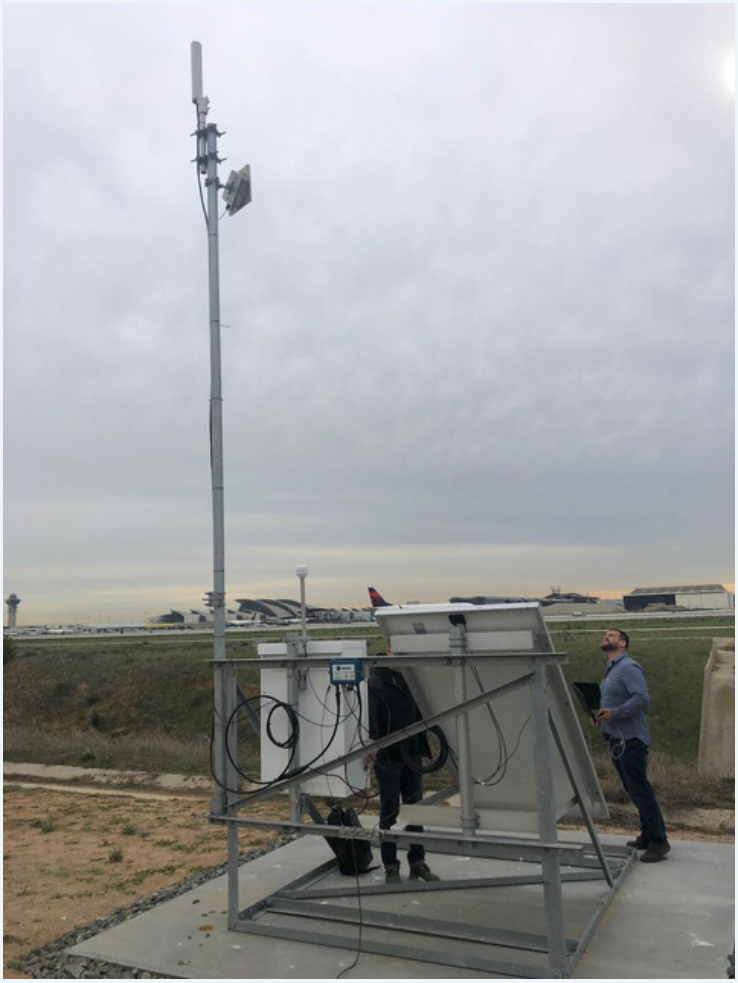
# Size and Duration of Project

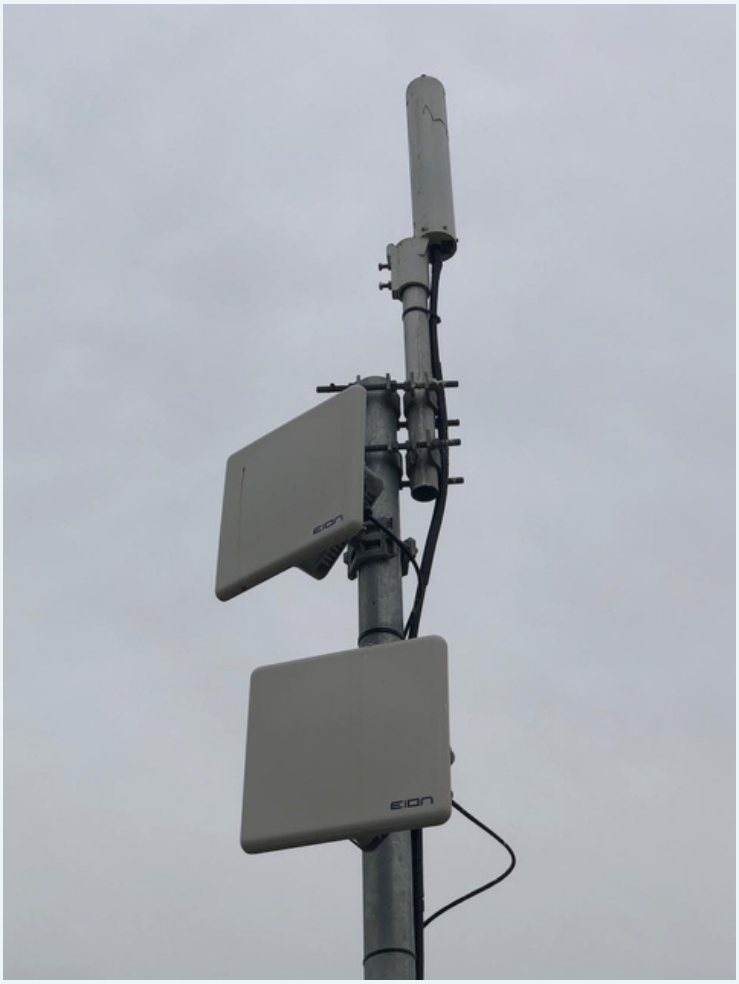


The wireless network at LAX airport consisted of four EION 5300-58 base stations and 51 EION 1130-58 remotes, which cost around 200K USD. The project was implemented by two installation teams and two professional wireless network engineers working in parallel.

# Performance

Each remote location has been allocated 10 Mbps to allow the traffic exchanged with the airplane to pass through to the air traffic control tower. Latency was an essential parameter in the success of this project and varied between 5 to 10 milliseconds which is an outstanding achievement.





Visit our website