

## Customer Case Study: SNCF

### **The Client:**

SNCF is France's national Railway Company operating national rail traffic (incl. Monaco) and the high-speed rail network, or TGV. This means that they are operating a complex network of freight and passenger services covering over 32,000km of railway tracks, including 1800km of high speeds lines. Every day SNCF run over 14,000 trains.

### **The Challenge:**

SNCF needed a reliable and secure network that they could use to coordinate personnel, including security agents, train crew, and platform staff at each train station. Streamlined communication between all these staff members is imperative for train preparation, train dispatch and control of shunting operations and neither freight nor passenger services are able to run without it.

In addition to communications devices provisioned for the operatives, the railway stations themselves require indoor and outdoor coverage for voice communications and passenger announcements.

SNCF also need temporary deployments for other activities like maintenance work, which could have to cover any distance from 1 km up to 100 km.

### **The Solution:**

Etelm implemented a mission critical TETRA Network that covers over 100 train stations and areas of train storages across France. They provide handsets and equipment to cover the day to day critical communication requirements associated with the running passenger and freight railways across the country.

The network also accommodates SNCF's need for temporary deployments, offering 1-6 TETRA Diversity ways depending on specific usage requirements, provisioning for track side communications, geolocation of all operative and emergency communications for unforeseeable circumstances.

Etelm developed some specific applications for SNCF that are used for shunting or for the network operations.

### **The Result:**

SNCF has an always on TETRA communications network implemented and maintained by one of the industry's leading critical communications providers. The network meets all of their communications requirements and Etelm are continuing to work with SNCF to maintain and improve the network and integrate emerging technology.