



Traffic Tunnel Fire Detection

Maritime Alps, France

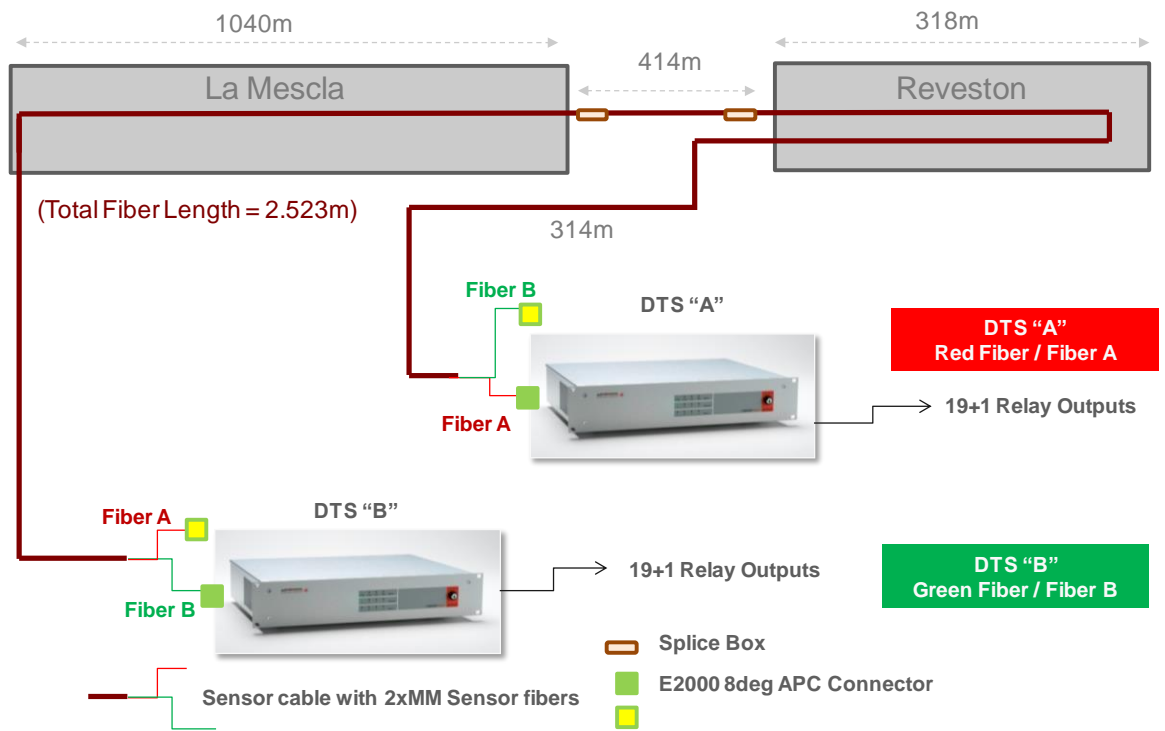
In 2010, two AP Sensing N4387A Linear Heat Series instruments were installed in the Tunnel de la Mescla and Tunnel de Reveston as fire detection systems.

The tunnels are separated by a 400 meter bridge and each have a dedicated control room. Tunnel engineers configured two independent Linear Heat Series instruments with a single, linear fiber optic cable sensor – the “Safety (FRNC)” – with two independent fibers between them.

This configuration offers full measurement redundancy. Positioning the instruments in two separate control rooms, at opposing ends of the tunnels, offers an even higher level of redundancy and therefore safety.



Two LHS instruments, installed at opposite ends of the facility, with two fibers inside the sensor cable deliver true sensor redundancy. Each instrument monitors the entire tunnel permanently and independently. This eliminates any chance of a single point failure causing the tunnels to be unmonitored.



Linear Heat Detection Solution

All AP Sensing sensor cables are equipped with two sensor fibers to support this fully redundant setup providing optimum system reliability and availability.



Tunnel de la Mescla



Tunnel du Reveston