

## **San Diego Airport**

**Making the tarmac a safer place.**

San Diego International Airport, the busiest single-runway in the United States, had a unique challenge when it came to protecting the non-rated glass passenger gate waiting areas located within proximity to aircraft operations. Previously, infrared flame detectors provided releasing control of the exterior glass protection deluge sprinkler system until that fire detection method proved to be unsuitable. The intense heat and flame signatures given off by aircraft engines began to produce false alarms. Having had a good experience with linear heat detection in other projects around the airport, San Diego International Airport selected Jensen Hughes, Inc., a leading fire protection and life safety engineering firm, to help resolve this issue.

A team at Jensen Hughes developed specifications and installation drawings utilizing Protectowire's XCR Series Linear Heat Detection with messenger wire for exterior fire detection at the passenger gate waiting areas. Type XCR consists of a high-performance fluoropolymer jacket and is designed for exterior environments. Features of this low smoke jacket include excellent weather resistance, and high-temperature performance.

The messenger wire consists of high tensile strength stainless steel wire, which is factory wound around the detector. It is a support wire that is designed to simplify the installation of the detector in areas where mounting can be difficult.

Protectowire Messenger Wire is available with any model and activation rate linear heat detector. In this case, mounting the messenger wire also provided with protection from environmental factors including birds.

For more information about Jensen Hughes please visit ([www.jensenhughes.com](http://www.jensenhughes.com)).



### **Questions?**

If you have further questions please visit [protectowire.com](http://protectowire.com) or call **781-826-3878**.