

Corporate Aircraft Hangar

Case Study



Location:
Los Angeles, CA, USA

Challenge:
Protect a corporate jet hangar
with system suited to facility
resources

Product Solutions:
ANSUL® automatic foam-water
deluge sprinkler system

Application:
23,180 ft² (2,153 m²)
aircraft hangar

One of the trends of the aviation industry is the expanded use of private and corporate jets. These jets are stored and maintained in private hangars classified as Group II Hangars. The owning or time-sharing of corporate jets gives companies flexibility, reliability and potential cost savings. Consequently, protecting these important assets with a superior fire suppression system is imperative.

As various fire protection options existed, it proved valuable to bring together the owner, contractor, design engineer and a Tyco representative early in the design phase of the hangar project to ensure the selection of the foam system that best suited the resources of the facility.

ANSUL foam equipment was available for all the options offered per NFPA 409 Standard on Aircraft Hangars. However, because adequate water supply and pressure were available at the facility, the ideal choice for fire protection was a foam-water deluge sprinkler system with an automatic detection system. ANSULITE 3% AFFF foam concentrate was selected for use with the discharge devices.

A balanced pressure bladder tank system was installed based on the quantity of foam required. Bladder tanks offered a great benefit as they require very little maintenance and are less expensive than pump proportioning systems.