

AVIATION PROJECT CASE STUDY

Pisa Airport (PSA)



Officially known, Pisa Galileo Galilei International, after the famous scientist who lived in Pisa, PSA was first developed for the military in the 1930s and 1940s. PSA is now the major airport for the region of Tuscany – a favourite with holidaymakers and house-hunters alike. It's also the 10th largest airport in Italy in terms of passenger numbers.

The challenge

PSA had to remove a mast due to some renovation work, leaving a cluster of four stands without ICAO compliant illumination for a period of over six months. Meaning the airport was going to lose capacity in the evening during its busiest months until a new mast was erected. Also, of course glare had to be taken into account and kept to an absolute minimum.

At a glance

Sector: Aviation
Customer: PSA
Number of passengers: 5,387,558
Runways (Airports): 2
Average aircraft movements: 42,815
Project date: June 2017

LED floodlights installed: 2 x Mobile Towers equipped with 4 x Titan 320 each
Type: Mobile Tower and Titan Series
Lux average values: 20+ Lux
Uniformity: >0.25



Our solution

As part of the project brief, PSA asked us to consider using two existing lighting poles to deliver the lighting needed. After a site visit, however, we told them this was physically impossible. The poles were just too far from the areas that needed illuminating to provide the 20 Lux and 0.25 Uniformity levels required. But we did have a solution... our Mobile Tower Series.

Designed specifically for large area lighting with low glare conditions, the Mobile Tower Series is adaptable, compact, and easy to transport. It features an adjustable 9-metre vertical, hydraulic mast with four highly efficient, asymmetric 326W LED Titan floodlights. The Series is perfect for heavy-duty mission-critical applications where speed, quality, and reliability are paramount. And thanks to our proprietary systems, glare from our Mobile Towers is never an issue.

With just two of these towers we were able to provide instant ICAO compliance for the areas that needed lighting. This gave us plenty of time to plan and deliver two new poles as a permanent solution.