



AVIATION PROJECT CASE STUDY

14 Greek Fraport AG Airports

A leading player in the global airport business, more than 176 million passengers use airports where Fraport owns more than a 50% stake in. This includes 14 regional airports in Greece, from the Aktion National Airport to Zakynthos, that Fraport manages. As part of a major project to modernise these airports, Fraport asked for our help.

The challenge

- All 14 of the Greek airports Fraport manages had outdated lighting systems that weren't compliant with the European Aviation Safety Agency (EASA) regulations. And this needed fixing – fast.
- This meant new mast positions and heights for all 14 airports needed to be planned, taking into account:
 - OLS (Obstacle Limitation Surfaces) restrictions.
 - Wingtip clearance for various types of aircraft.
 - Keeping civil works needed for new cabling as low as possible.

At a glance

Sector: Aviation

Customer: Fraport AG

Number of airports: 14

Installation height: Variable: 12m to 40m

Project date: 2018

LED floodlights installed: 1,000

Type: Titan Series

Lux average values: 30 Lux

Energy Savings: 55% on average



Our solution

Working with Intract, Fraport's main contractor, we designed and delivered a completely new, compliant lighting system for each airport. Using our Titan 560 lighting, which was the perfect match between power and weight, meant:

- Increased high colour rendering led to improved safety.
- Shadow areas between planes were reduced through the new tower positioning. This guaranteed a better working environment for ground staff.
- Energy use could be cut – by 55% on average.
- And lower maintenance costs thanks to the Titan 560's stainless steel construction – especially important where an airport is near the sea which can cause issues with salinity.

Product used for Fraport AG: Titan Series

- A highly asymmetric floodlight providing an excellent solution for low glare applications.
- Our propriety optics deliver maximum light levels on designated areas.
- It's designed for maximum heat management.
- And it's manufactured to survive the harshest of environments, whilst delivering high performance and long life.
- Which in total makes it the go-to product for many of our aviation and maritime clients for years.

The 14 airports:

Aktion National Airport, Cephalonia Airport, Chania Airport, Corfu Airport, Kavala Airport, Kos Island Airport, Mykonos Airport, Mytilene Airport, Rhodes Airport, Samos Airport, Santorini Airport, Skiathos Airport, Thessaloniki Airport, Zakyntos Airport.