

Queen Alia International (QAIA)



Initially established in 1983, QAIA is Jordan's main and largest airport. After an international tender, Airport International Group was invited to operate, rehabilitate and manage QAIA. And in 2013 a new airport was opened, with its second phase being completed in 2016.

The challenge

QAIA needed to:

- Make sure its lighting complied with ICAO – International Civil Aviation Organisation – rules.
- Cut its high energy use.
- Replace its metal halide system which suffered from major light depreciation and required a lot of maintenance to keep the aprons compliant with regulations.
- As the airports existing towers had to be used, a retrofit approach was needed. And the number of floodlights used couldn't exceed those already in place because existing connection points had to be used.

At a glance

Sector: Aviation
Customer: QAIA
Number of passengers: 12,000,000
Runways: 2
Average aircraft movements: 74,000

Project date: 2019
LED floodlights installed: 193
Type: Titan Series
Lux average values: 20 Lux
Energy savings: 66%



Our solution

We designed and supplied a new floodlighting solution, using our Titan 560 floodlights, that complied with ICAO regulations. These lights were the perfect match for the weight and power needed too. They also meant that the airports' aprons were always fully compliant with regulations. Once in place, the new system tripled light levels, cut maintenance costs considerably compared to the old halide system, and cut energy use by 66%.

Product used at QAIA: 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.