

IMO

# Case Study

A FOCUS ON IMO PRODUCT IN APPLICATION

  
**FireRaptor**

*Commercial Solar Panel  
Rapid Shutdown Solution*



[www.imopc.com](http://www.imopc.com)



## Commercial Solar Panel Rapid Shutdown Solution

We were approached by PVDb Ltd - specialists in solar voltaics - who were looking for a solar panel rapid shutdown solution for one of their clients who have a large aviation hangar facility at Gatwick airport.

The 16,000sqm facility operates as a service hangar for new aircraft and PVDb were involved in the initial project to install a comprehensive PV array consisting of 560 PV modules.

Fire safety was of paramount importance to the customer due to the high cost of the hangar contents, and also due to the location of the hangar inside the Gatwick airport grounds. Having looked into the rapid shutdown offerings in the market, PVDb settled upon the FireRaptor Rapid Shutdown Solution due to the international approvals and compliance with NEC2017, and the fact that it is easy to retro-fit to existing installations, compatible with ALL string inverters.

Having specced the project, PVDb installed 280 FireRaptor Rapid Shutdown units, taking only 1 working day to retro-fit them all, and additionally fitted an FRS-ESW1 Emergency Shutdown Switch which enables fire fighting crews to rapidly shutdown the entire array to ZERO volts from ground level.

Each FireRaptor rapid shutdown unit can shut down up to two connected PV modules, hence the requirement for 280 units which were wired in series to the string of 560 PV modules.

PVDb were so impressed with the ease of installation that they have committed to endorse FireRaptor as their number one choice for solar panel rapid shutdown.



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*The IMO FireRaptor is a great product, cost-effective, easy to install and performs as described. I would highly recommend it. We will continue using the IMO FireRaptor in our solar PV projects. Many thanks.*

David Christenson, Managing Director PVDb Ltd.

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