

Title: Photovoltaic panels can be installed under aircraft routes

Generated on: 2026-04-28 20:57:57

Copyright (C) 2026 ALEXANDRA BESS. All rights reserved.

---

Can solar power be used near aircraft movement areas?

The solar power yield at airports can be massively increased if unconstructed spaces near aircraft movement areas are used. However, placing a solar farm (e.g., with PV arrays) near aircraft movement areas is challenging from a safety and compliance perspective. Airport operators might ask questions such as:

Can solar panels be installed in aerodromes?

Solar panels installed in the vicinity of aerodromes reflecting sunlight onto aircraft operating into the aerodromes. The installation should be controlled and risk assessed via a joint process between the aerodrome and relevant local authority, however this may not be consistently applied or lacking completely.

How do airports choose a solar PV plant?

Some of the basic studies/assessments airports need to consider while selecting a site for the solar PV plant are-  
o Availability of space  
o Availability of solar resource & climatic condition of the site  
o Site's ability to comply with aviation specific requirements etc. 2.1.

How a solar PV project is planned & built?

The planning and construction of solar projects depends upon project size, installation platform- building or ground mounted and locations within the Airport. One of the key objective of solar PV plant planning and construction is to attain the required standards of quality as specified by the Airport within the set timeline and budget.

The aviation industry is adopting renewable energy sources to reduce greenhouse gas emissions. One of the strong candidates to meet the energy demand of airports with a sustainable ...

1. Introduction This guidance note has been prepared by both the "Technical focus group for renewable energy developments" and "General Aviation focus group" as part of the Combined ...

The plain topography, presence of flat building roofs and nature of Airport operational requirements favors solar Photovoltaic (PV) as compared to other sources of renewable energy. ...

The solar power yield at airports can be massively increased if unconstructed spaces near aircraft movement areas are used. However, placing a solar farm (e.g., with PV arrays) near aircraft ...

Introduction Several airport operators around the world are implementing climate initiatives at their airports,

# Photovoltaic panels can be installed under aircraft routes

Source: <https://lesfablesdalexandra.fr/Sat-24-Jul-2021-15549.html>

such as installing photovoltaic plants and powering aircraft on the ground with ...

Ever wondered if those empty fields under airport flight paths could power entire terminals? As demand for building photovoltaic panels under the aircraft path grows, solar developers face a high-stakes ...

This article is addressed to aviation safety community and the designers of the PV projects, with the aim of preventing risks and finding a methodology for assessing PV installations so ...

Solar panels installed in the vicinity of aerodromes reflecting sunlight onto aircraft operating into the aerodromes. The installation should be controlled and risk assessed via a joint ...

Website: <https://lesfablesdalexandra.fr>

