

LOCATE PV

Product Details, LOCATE PV



The UK is rapidly transitioning towards renewable energy, with rooftop solar arrays becoming essential to reducing the nation's carbon footprint.

As part of the government's commitment to achieving Net Zero emissions by 2050, solar energy is being increasingly adopted. However, obtaining precise and current data on the distribution and capacity of existing solar arrays remains a challenge due to fragmented and incomplete records.

Accurate insights are vital for energy companies, developers, and policymakers to effectively plan, manage, and expand solar infrastructure.

Product Introduction

LOCATE PV is a comprehensive geospatial database specialising in rooftop solar arrays across Great Britain. Utilising high-resolution aerial imagery and advanced machine learning algorithms, it delivers accurate and comprehensive data on solar installations, from small residential systems to large commercial arrays. Integrated within the broader PropertyView UK platform, LOCATE PV is an indispensable resource for professionals in energy management, grid planning, policy development, and sustainability analysis.

LOCATE PV equips users with actionable insights, enabling informed decision-making and supporting the efficient management and optimisation of the UK's expanding solar infrastructure.

FEATURES

- Comprehensive rooftop solar coverage across Great Britain
- High-resolution aerial imagery with machine learning for accuracy
- Capture dates to estimate installation age and detect new systems
- Annual updates for the latest data
- Cloud-based access with API integration for easy use

BENEFITS

- Fast data collection without on-site visits
- Supports decarbonisation and renewable energy policies
- Cost-effective for solar installation management and planning
- Enables informed decisions with accurate, real-time data
- Scalable for residential, commercial, and industrial projects

Technical Specification

LOCATE PV utilises high-resolution aerial imagery combined with cutting-edge machine learning techniques to detect and catalogue solar arrays across Great Britain. The database is updated annually, ensuring access to the most recent data. Imagery capture dates are recorded, enabling users to estimate the age of installations and identify newly deployed systems by comparing data from different update cycles.

- Data Sources: High-res aerial imagery and proprietary machine learning
- Update Frequency: Annual updates with the latest imagery
- Imagery Capture Date: Logged for estimating installation age and tracking new systems
- Detection Accuracy: 95%+ accuracy in identifying rooftop solar
- Data Accessibility: Access via API, SaaS, or detailed reports
- Output Formats: GIS, CSV, and other geospatial formats for easy integration

LOCATE PV delivers powerful, up-to-date intelligence on rooftop solar installations, providing a valuable resource for managing energy infrastructure and supporting the UK's renewable energy goals.

Applications

- Grid management: Optimise energy distribution
- Renewable policy: Aid strategy development and monitoring
- Asset management: Manage and maintain solar assets
- Construction: Integrate solar into new builds
- Insurance: Evaluate risk from rooftop solar installations

