

National Solar Suitability Database

Product Details, LOCATE SOLAR, Ireland



Solar Photovoltaics (Solar PV) is one of the most mature and reliable sources of renewable energy generation. With Ireland targeting an increase in solar capacity to 5GW by 2025 and 8GW by 2030, it is clear that the technology has a vital role to play in achieving National decarbonisation targets.

LOCATE SOLAR Ireland has been created by applying Geospatial Insight’s automated rooftop analysis techniques to Bluesky’s state-of-the-art 3D topographic data. Leading to the most detailed, comprehensive, and up-to-date rooftop solar suitability database available, containing over 2,000,000 individual building entries each with in excess of 35 unique solar-centric attributes.

FEATURES

- Property-Specific Data
- Energy and CO2 Savings
- Installation Cost Estimates
- Financial and Environmental Benefits
- Unique Property Reference Number

BENEFITS

- Cost-Effective Surveys
- City-Scale Assessments
- Asset Potential Insights
- Accelerated Project Identification and Aggregation
- Rank and Prioritise Investments

APPLICATIONS

- Strategic Net Zero Planning
- Decarbonising Portfolios and Estates
- Property Retrofit Planning
- Streamlined Marketing and Business Development
- Consumer Awareness & Empowerment



Technical Specification, LOCATE SOLAR, Ireland

KEY DELIVERABLES

LOCATE SOLAR is the flexible data solution designed to benefit multiple applications. It contains over 2,000,000 buildings in Ireland, ensuring extensive geographic coverage. The data is compatible with all GIS systems, providing enhanced geospatial insights. It is accessible through the user-friendly LOCATE cloud-based app, or an API feed is available for integration. The data can be provided in various formats, to meet specific requirements.

ATTRIBUTION

The LOCATE SOLAR database has been developed in collaboration with end-users to ensure it meets the industry's requirements and ensures solar energy planning and implementation projects remain current and effective. The Ireland database has been developed using Bluesky's state-of-the-art 3D topographic data and currently encompassing over 35 attributes, this evolving data resource underscores Geospatial Insight's commitment to continuously enriching the database. Some of the key attributes are listed below.

- Solar Suitable Space
- Roof Type
- Mean Roof Pitch
- Mean Roof Aspect
- Mean Irradiance
- CO2 Savings (1 year)
- Energy Savings (1 year)
- Export Revenue (1 year)
- CO2 Savings (20 years)
- Energy Savings (20 years)
- Export Revenue (20 years)
- Lifetime Benefit (20 years)
- System Size
- System Cost
- Yield

At the time of publication all of the specifications were correct but are subject to change.