

# Solar Panel Placement Analysis Toolset

**GeoSolveIT's Solar Panel Placement Analysis Toolset for Housing Associations can help your organisation quickly and effectively identify candidate properties for solar panel (or PV) placement**

## The Problem

With an increasing number of housing associations seeking to secure funding for alternative energy sources, many are turning to the adoption of solar panel (or PV) placement to help achieve this goal; one of the key initial considerations in determining which properties would help achieve this goal is the aspect of the property.

## The Solution

At GeoSolveIT we use the geography of the property and location-based technologies, to create an innovative solution that can help your association quickly identify your existing properties that meet the aspect criteria.

## The Benefits

Our solution will highlight those properties that comply with the aspect criteria taking into account party walls etc. The process will enable you to rapidly identify the housing stock that you should focus your attention on. The output includes an interactive map to allow you to zoom to the identified properties and the results of the analysis. We also provide you a spreadsheet of your stock list, with each property identifying whether it has a suitable aspect, the angle of the aspect and potential length available for the PV units (based on the building outline).

## Getting started

Your association provides a listing of your properties in a spreadsheet, including the unique property reference, the address and postcode of the property. You will also need to be licensed for the Ordnance Survey Mastermap Topographic and addressing datasets. Overlaid with imagery, the roof orientation can be confirmed and light obstructions identified. If your organisation is not licensed, GeoSolveIT can license you to use the Ordnance Survey datasets as a Licensed Partner.

### Further information:

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## Case study

GeoSolveIT have successfully supported Tor, Penwith and Devon and Cornwall Housing Associations to identify candidate housing stock for PV placements on budget and to tight timescales. This helped them fast-track their projects.



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## About GeoSolveIT

Our solutions help to integrate data from multiple sources and combine this into a highly intuitive mapping interface. Some of other tools we can help associations with:

- Integration to your asset management, housing and financial management systems
- Void reporting and analysis
- Asset management
- Decent Homes reporting
- Land maintenance
- ASB reporting
- SAP/thermal comfort reporting
- Operations reporting (e.g. call-servicing reporting)



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Geographic Information Systems

**Creating value through geography**

