

Some key information

We have been established for

19 years

We've installed PV on over

75,000

Homes across the UK

We are powered by

**e-on
next**

We complete installations on

1 in 5

Houses in new build

Eco2Solar and E.ON have

14 depots

Across the UK to service customers

We are active on over

600

Sites around the UK

Our **NPS** is

90

from **site managers**

We're completing an average of

150 fixes

Per day

We're connecting over

1,400 houses

To the grid every month

eco₂solar

Powered by

**e-on
next**

Get Future Homes Standard Ready with



Eco2Solar, powered by E.ON Next, provides everything your new build needs for a sustainable future – all in one simple bundle.

- ✓ The UK's largest new build solar installer, established for 19 years
- ✓ Consistent, compliant, quality installations at scale
- ✓ Let us support you with your FHS challenge
- ✓ One trusted partner, one simple solution

○ The complete energy solution for new build developers ○ Designed. Installed. Connected. ○ All by Eco2Solar and E.ON Next



In-Roof Solar

Sleek, fully integrated solar panels that maximise space and performance



EV Charger

Fast, reliable charging ready for every homeowner



Battery Storage

Store clean energy and use it when you need it most



Smart Meter

Real-time energy insights for smarter living and savings



One Complete Bundle

One Trusted Partner
One Package
One Future

Credibility

Exemplar schemes completed

eco₂solar

Powered by
**e-on
next**



Barratt Redrow
Zed House



Taylor Wimpey
Sudbury FHS Trial



Keepmoat
Gedling Green



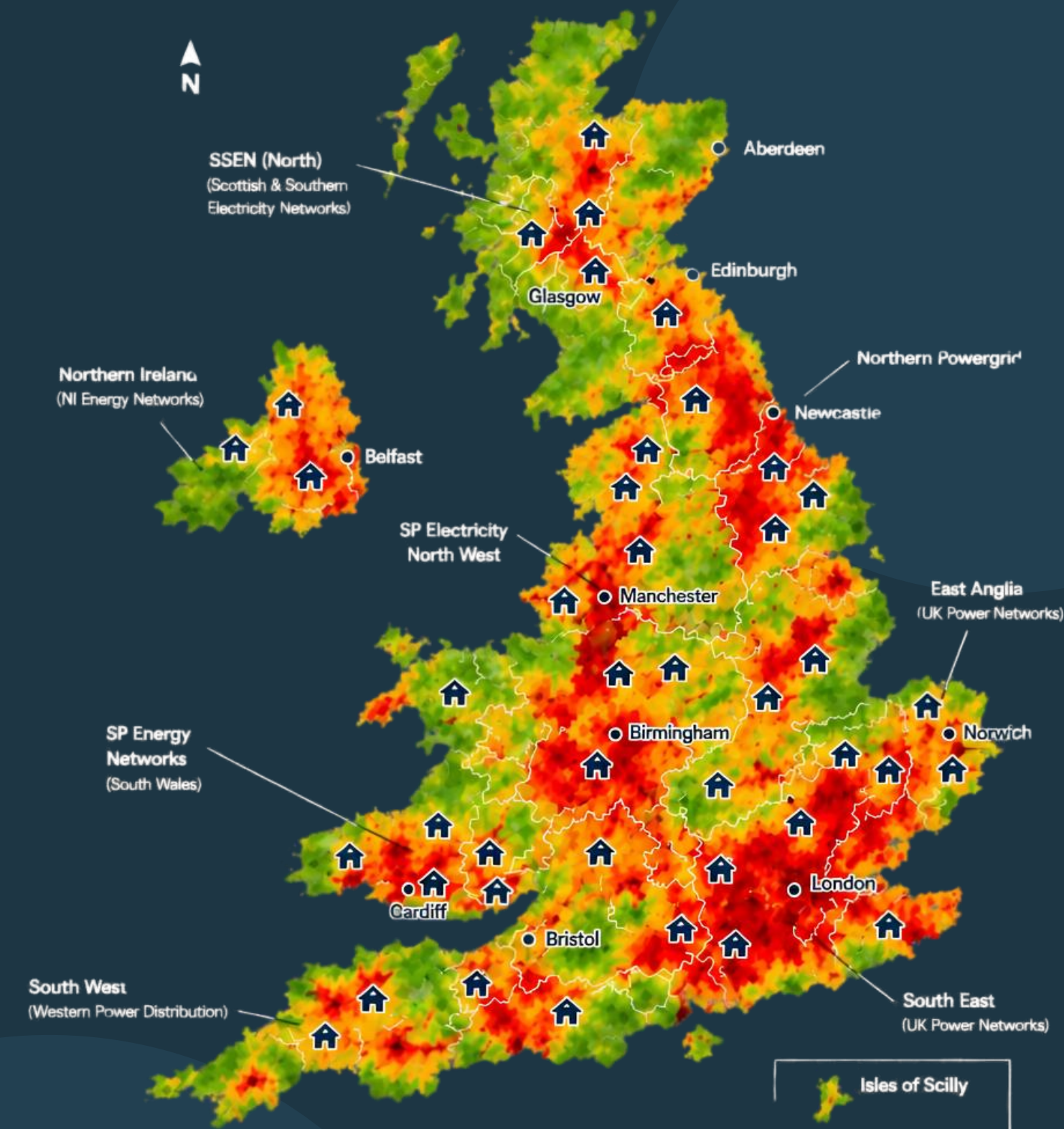
FHS Risk Register

What we need to get right

Key Factor	Why	Risk
 DNO Engagement	Hot spots – constraints	• Connection Delays • Build Costs (chasing out walls to retrofit limiters)
 Design Capability of Installer	Multiple elevations Complex string designs Exemptions for building control	• Overloading/fire/performance • Unhappy homeowners • Delays to approval • Non compliant installations
 Robust QC Process	Compliance of all components Trained installers	• Defects • Fire Risk • Unhappy homeowners
 Forecasting	Part L experience 2024	• Capacity issues • Delays • Costs
 Supply Chain	ESG transparency Product liability Certifications for all products	• Reputational Damage • Defects • Non conforming systems

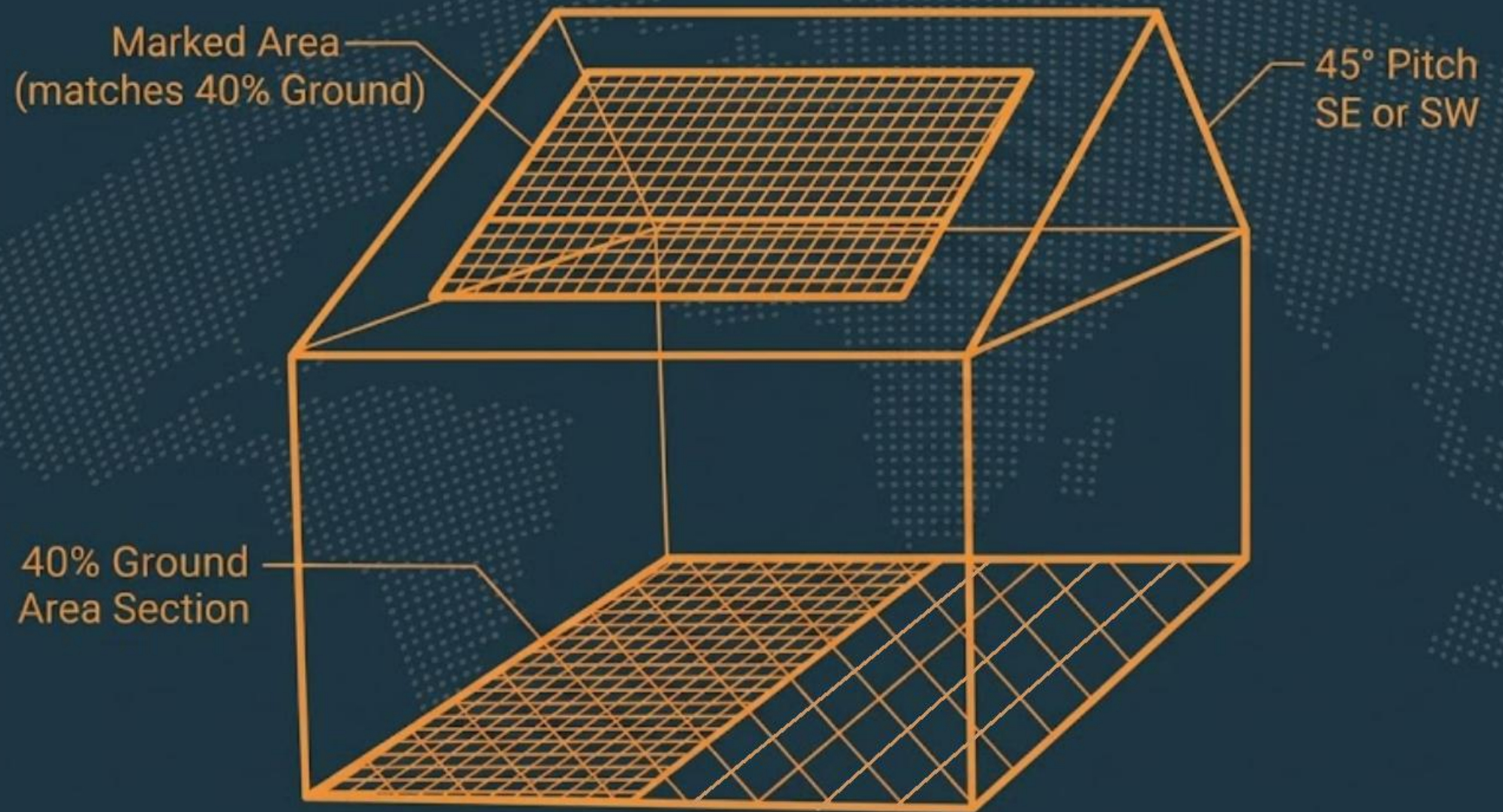
eco₂solar

Powered by
**e-on
next**



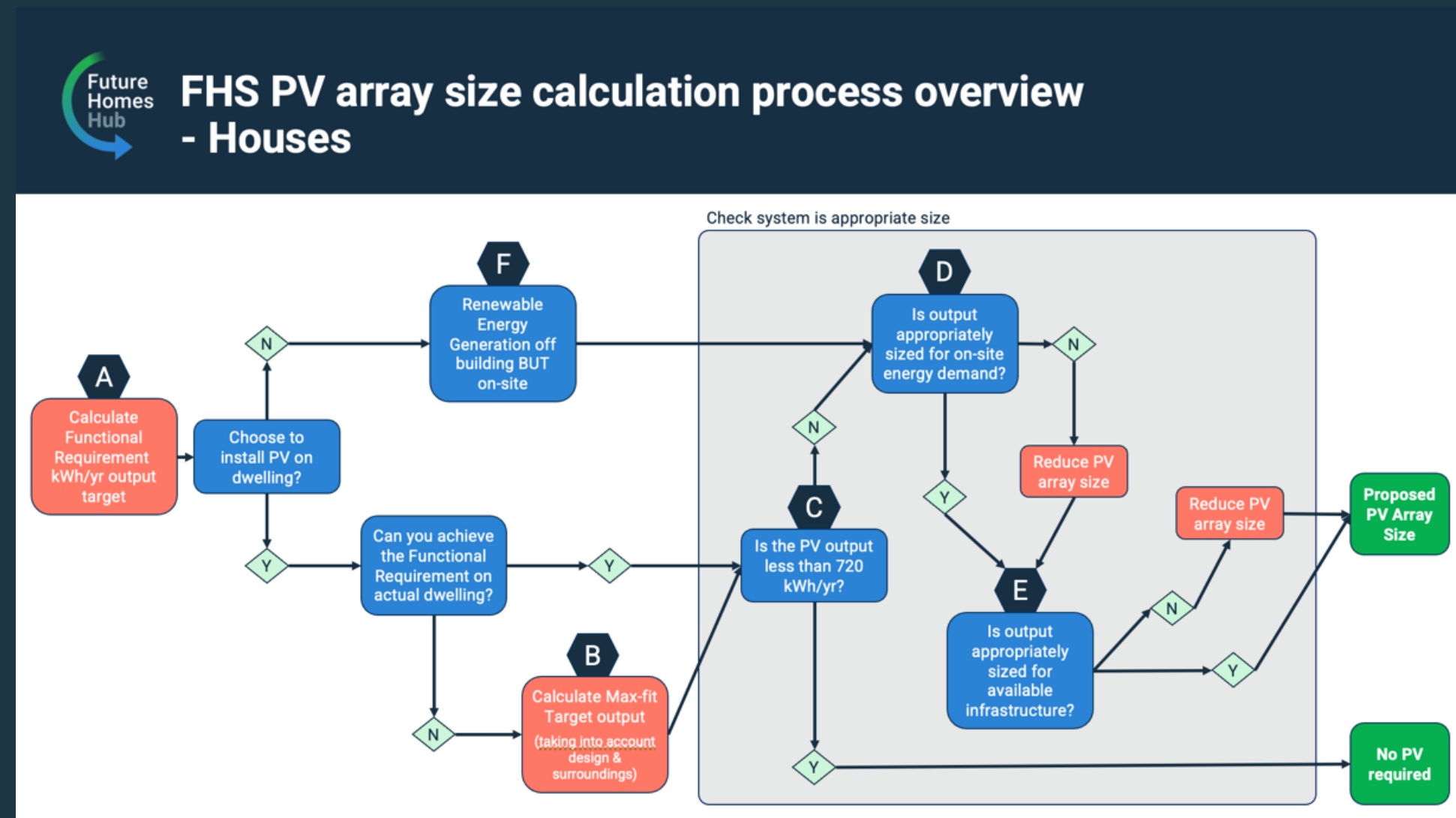
Functional requirement calculation

- Calculate the target kWh per year using SAP 10.3 until Home Energy Model (HEM) is available
- This is based on 40% of the ground floor area in m^2
- PV panels with minimum output of $0.22\text{kWp}/\text{m}^2$



Latest Updates from the FHH Working Groups

- Flowchart → shows process to determine PV array size per house, simplified from the 2026 Part L document
- **A & B** – generate a kWh target – PV design is then created to meet the target
- **D & E** – are considerations of what is appropriate regarding energy demand and available infrastructure. **These have been the key discussion points for the last few months**
- Grid capacity and constraints are important considerations
- Bungalows present a special scenario as their large floor area will result in a high PV target, potentially disproportionate to it's benefit



On-Roof vs In-Roof?



On-Roof Solar PV



In-Roof Solar PV

Pros and Cons – On-Roof vs In-Roof PV

Feature	In-Roof Solar PV (Integrated)	On-Roof Solar PV
 Aesthetics & Design and Installation	○ Sits flush with the roof tiles, only panels/flashings visible. ○ Compliance risk for fire tested components (panels, flashing, integrated system) ○ Lower weight loading to the roof	○ Sits 50–80mm above the roof tiles ○ More flexibility with design layout e.g. landscape and portrait ○ More challenging coordination of on site-brackets installed by roofers ○ Greater weight loading on the roof ○ DC cables entering under concrete/heavy tiles (damage/fire risk)
 Ventilation & Efficiency	○ Sitting flush with the roof = less ventilation which may cause a slight reduction in power generation	○ Gap underneath the PV array allows more natural cooling
 Cost (New Build)	○ System replaces large proportion of tiles	○ Developer pays for a fully tiled roof and for a retrofit installation
 Pests & Weather	○ Reduced opportunity for nesting or pests to enter ○ Best wind load resistance and weathertight integration with the surrounding tiles	○ Protection mesh to prevent nesting birds and other pets. ○ Each fixing point requires modification to a tile
 Maintenance	○ Same cleaning required. Panels can be replaced	○ Same cleaning required. Panels can be replaced ○ Damaged tiles- not visible below the array ○ Roof trusses risk splitting from wood screws (panels working loose)

Introducing The Horizon Hub at Eco2Solar



Let us help you to understand the impact that the 40% PV factor will have on your houses and elevations as we work towards the Future Homes Standard

The transition to new standards brings complexity, from offset regulations to inverter placement. Together, we will navigate the technical hurdles of the Future Homes Standard to find practical, site-specific solutions that work for your commercial and technical requirements.

Don't guess your compliance; see it in action.

Scan here to book your visit



We can help you:



New Offset Regulations

Understand new offset regulations and the impact on achieving PV compliance



Compliance Check

See exactly how your specific house types stack up against new standards.



Layout Constraints

Demonstrate installation on a fully working SmartRoof and how to overcome inverter and loft location challenges.



Navigating common pitfalls

Share our best practice advice on navigating the pitfalls of the DNO/Export Limitation/Fire classifications



PAS Challenges

Understand new Battery Storage regulations and the impact on achieving compliance



**Making
solar
standard**