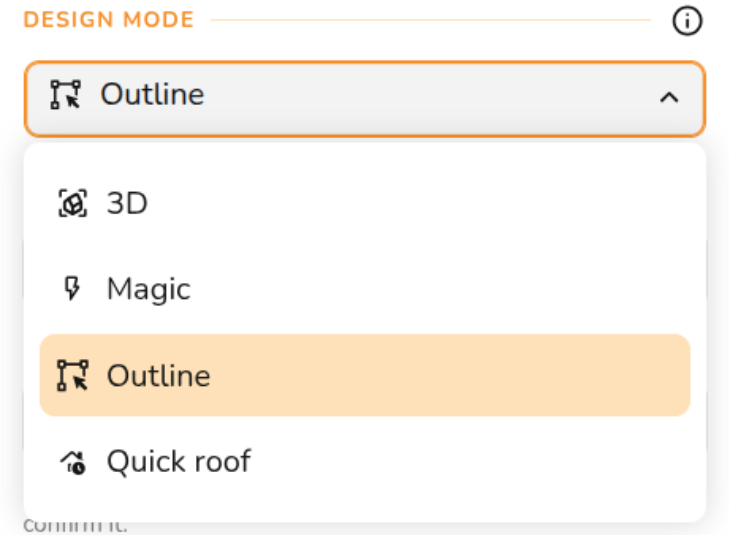
Introduction to Outline design mode

With Easy PV's **Outline** design mode, you can model a roof directly over satellite imagery, using automated detection tools to speed up your design process. Simply verify the automatically detected roof shape and details, or hand-draw your roof and add any obstructions.

Creating an Outline design

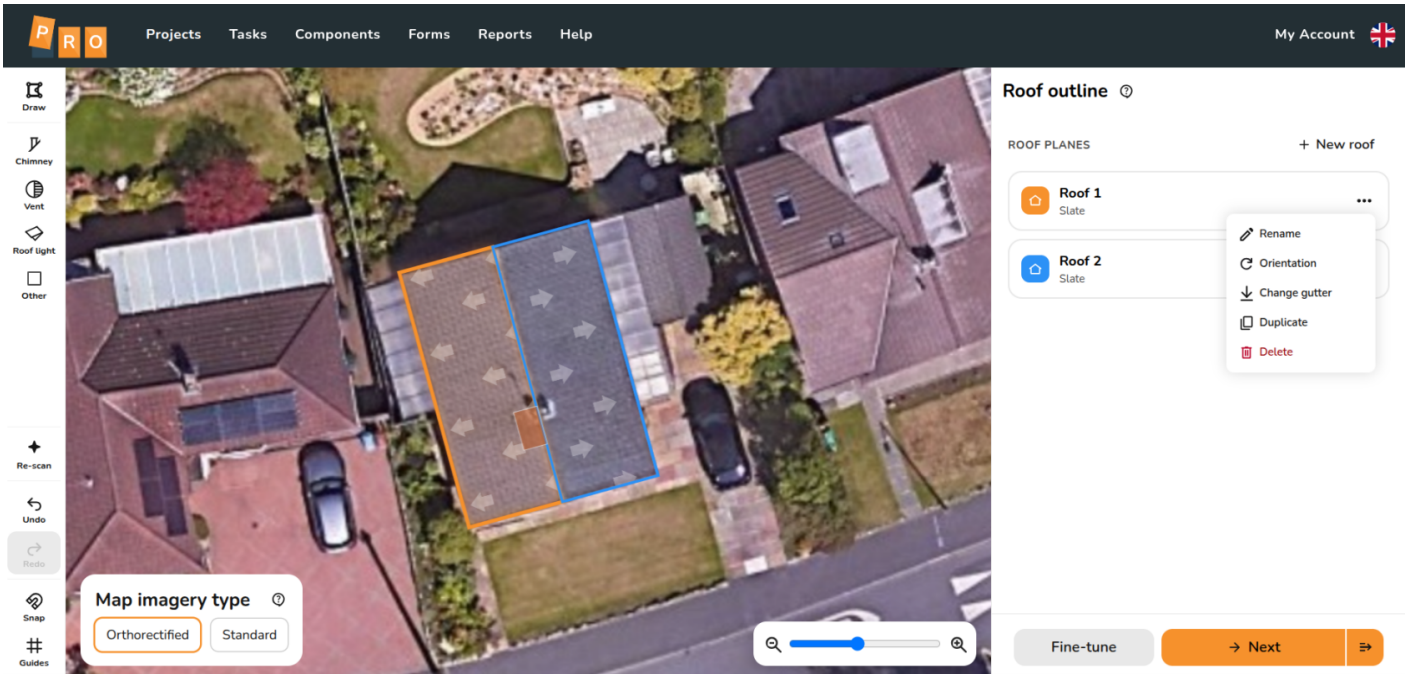
Outline is selected when you first create a project, input project details and under **Design Mode** select **Outline**. Then click **Create** in the bottom right.



This will then take you to the **Outline** task tab where you can model the roof.

Outline task overview

In the Outline task you can create and edit your 2D roof model over satellite imagery.



In the sidebar, clicking the **··· three dots** on a roof will show the following options:

- **Rename**: Change the roof name. You can also double-click the card to edit the name in place.
- **Orientation:** Adjust by typing an exact bearing in degrees or using the quarter-turn buttons.
- **Change Gutter:** Choose which side the gutter is on
- **Duplicate:** Duplicate the roof
- **Delete**: Delete the roof from the project. Hold `Shift` or `Ctrl` to select multiple roof cards at once and delete them together using the floating map button.

Creating roof model

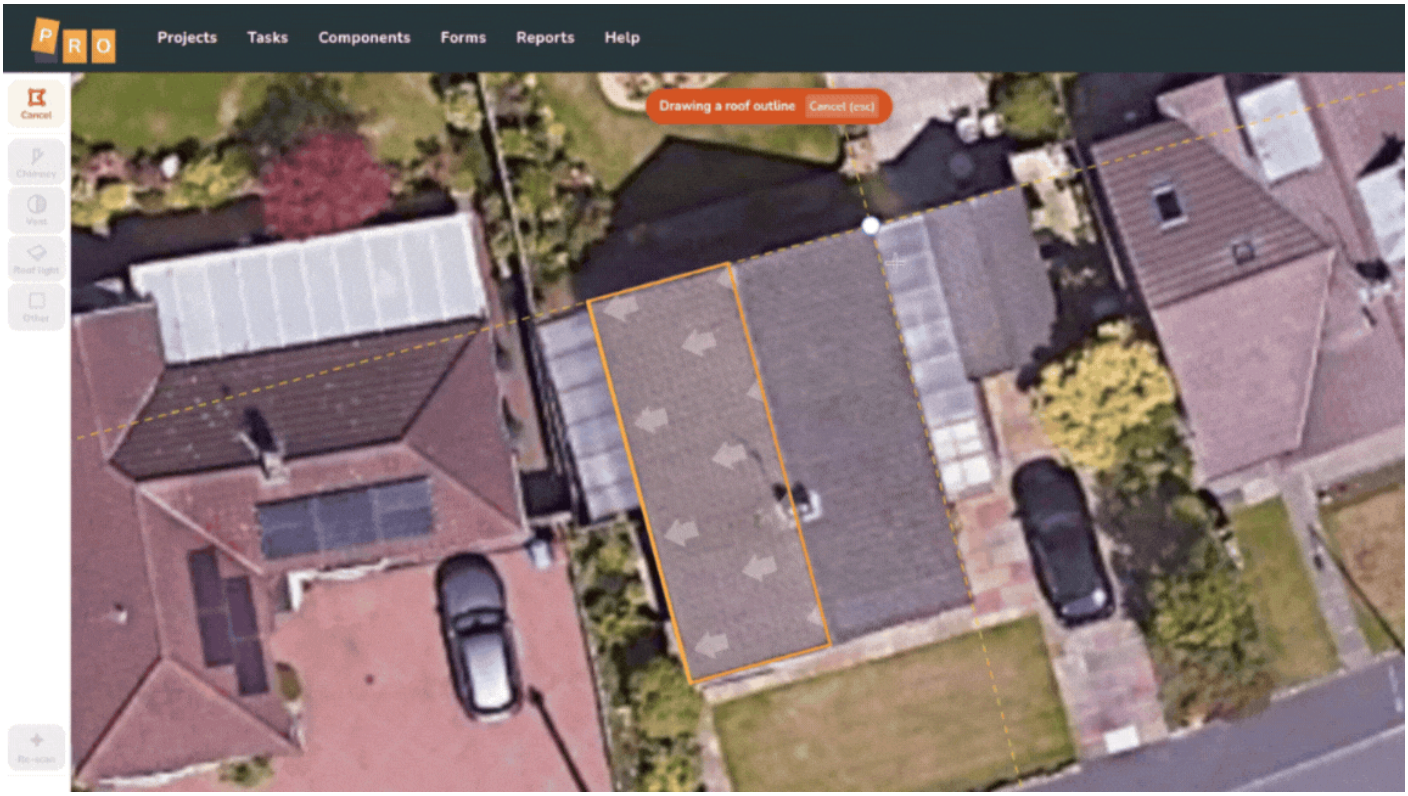
Automatic roof detection

When you first open an Outline project, the system will automatically run a roof-scan and draw any detected roofs and gutters for you.



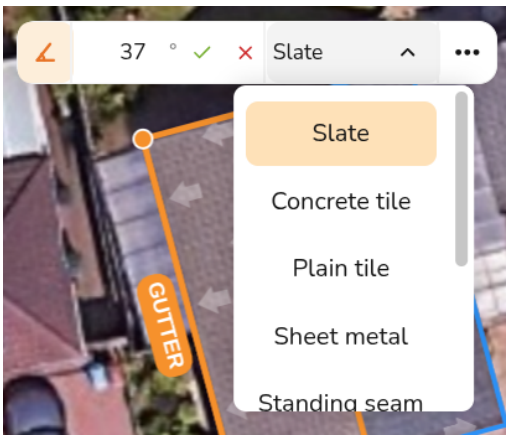
- **Re-scan tool**: Click the **Re-scan** button in the left rail to re-run detection at any time. This replaces manual edits with fresh detection.
- **Undo re-scan**: Clicking the **Undo** button once will immediately restore your previous manual drawing.

Drawing the roof



If you choose to draw a roof manually, click the **Draw** option on the left. Remember that the **first edge you draw** is always assigned as the gutter. Once the shape is closed, Easy PV automatically scans the roof to determine the pitch, covering, and gutter edge.

These details can be adjusted by clicking on the selected roof on the map to bring up the **mini menu**:



- **Pitch:** Set the angle of the roof slope.

- **Covering**: Select the material of the roof to determine mounting options.

Adjusting roof shape

When editing a roof, **click and drag** any of the the roof corners to adjust their position. You can also **Click and drag** the main body of a roof to move it.



- **Snap -** With snapping enabled, it will snap flush against neighbouring walls and corner-to-corner.
- **Guides -** Guidelines dynamically appear parallel or perpendicular to the edges already drawn on the map.

Adding obstructions



Once you have your overall roof shape, you can add obstructions to help plan your panel placement. **Drag and drop** or **click and drag out** any of the four obstruction types from the side rail onto the roof.

- **Alignment snapping**: Moving an obstruction displays guide lines that snap to the edges and centres of other obstructions. Vents will snap cleanly using their exact circle centres.
- **Resizing**: Use the generous grab areas on the resize handles to change dimensions. Selected obstructions feature a status chip and a delete pill, or you can press `Delete` on your keyboard.

Progressing to Panels

When your roof layout is complete, you have two ways to transition to your panel layout:



- **Next**: Takes you straight to Panels and automatically cleans up your drawing on the way. Corners get squared up, and accidental wall kinks are straightened out.
- **Fine-tune**: Takes you to the Roof task and skips the automatic squaring process so you can manually adjust your roofs.

Still Need Help?

- **Related FAQs:** Check out our buildings and roofs FAQs for answers to common questions
- **More guides**: Take a look at our other buildings and roofs guides for more information

Contact Support: If you've got further questions, get in touch with our support team at **help@easy-pv.co.uk** (UK) or **help@easy-pv.ie** (IE). *If you are experiencing a bug, to help us look into your issue faster, please include the email address of your account, the name of the project and screenshots of any unexpected behaviour.*

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