

Quick tour of Jersey SAP

This is a brief overview for new users on how to use the Jersey SAP interface. This includes navigating the interface, entering data and running the calculation to produce output reports. To get started, look through the example project as shown in the annotated screenshots on the following slides

Click to view your projects

Jersey SAP Calculator
Developed by BRE.

States of Jersey

[Home](#)

Welcome back to Jersey SAP
BRE SAP Engine

First time using Jersey SAP?
Have a look at the [quick tour guide](#) before you get started.

This website provides support for the use of a tool designed to produce energy performance assessments for domestic buildings as required by the Jersey Building Bye-laws. When provided with details about the dwelling configuration the Calculator will show if the energy performance targets set by the building bye-law have been met, and it will provide an energy performance certificate giving an estimate of the likely running costs, SAP ratings, etc.

The Jersey SAP tool was created by BRE.

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My projects

Jersey SAP Calculator
Developed by BRE.

States of Jersey

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Your projects on Jersey SAP
BRE Jersey SAP Calculator

Your current projects are listed below. Choose (by clicking on the name) any project you wish to open. To create a new project, follow the link from the menu on the right.

Number of projects : 1.

Name of project	Post Code	Delete?
Example - Simple detached 2013 Address: 1 Any Road, , , Any Town	JE1 1AA	Delete

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My Projects

New Project

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FAQs

1. To open a project, click on the project name

2. Clicking these buttons will delete whole projects

3. Click to create a new project

Create new project

1. Click here to create a new project from scratch

The screenshot displays the 'Jersey SAP Calculator' interface, developed by BRE. The header includes the title and the 'States of Jersey' logo. A navigation sidebar on the right contains links: Home, Assessor details, My Projects, New Project, Downloads, and FAQs. The main content area is titled 'Create a Project BRE Jersey SAP Calculator' and features two options: 'New project' and 'Duplicate an existing project'. The 'New project' section has a 'Create' button, and the 'Duplicate an existing project' section has a dropdown menu showing 'Example - Simple detached 2013' and a 'Duplicate' button. A modal dialog box is open, titled 'The page at jsap.je says:', with the prompt 'Please enter a unique name:' and an input field. The dialog also contains 'OK' and 'Cancel' buttons. Arrows from the numbered instructions point to the 'Create' button, the 'Duplicate' button, and the 'OK' button in the modal.

Jersey SAP Calculator
Developed by BRE.

States of Jersey

Home

Create a Project
BRE Jersey SAP Calculator

New project

Click to create new project: **Create**

Duplicate an existing project

Select project to duplicate: Example - Simple detached 2013 **Duplicate**

The page at jsap.je says:

Please enter a unique name:

OK Cancel

2. Alternatively, select an existing project to use as a basis for a new project

3. Click here to create a new project based on the project selected

4. When prompted, enter a name for the new project and click OK

Project navigation

1. Project opens on General tab

2. The banner shows this object's type

3. You can change the name of the project here

The interface features a top navigation bar with tabs: General, Geometry, Heating Systems, Ventilation & AC, Renewables, and Results. Below the tabs, the 'General' tab is active, showing a red banner with 'Project details' and 'General'. A dashed box groups the 'Dwelling Location' section, which contains input fields for Project name, Building permit number, Address Line 1, Address Line 2, Address Line 3, Parish, and Post Code. A 'Dwelling Configuration' section is partially visible below. On the right, a 'Navigation Tree' lists project objects: Building Part (Roof/Ceiling, Wall, Wall opening 1-4), Floor 0, Floor 1, Main Heating, Water Heating (Solar Thermal), Ventilation, Photovoltaics, Opening Type 1, and Opening Type 2. Arrows from the numbered callouts point to specific elements: 1 points to the General tab; 2 points to the General banner; 3 points to the Project name input field; 4 points to the dashed box around the Dwelling Location section; 5 points to the Project name input field; and 6 points to the Navigation Tree.

Project name	Example - Simple detached 2013
Building permit number	B/2013/1111
Address Line 1	1 Any Road
Address Line 2	
Address Line 3	
Parish	Any Town
Post Code	JE1 1AA

- Building Part
 - Roof/Ceiling
 - Wall
 - Wall opening 1
 - Wall opening 2
 - Wall opening 3
 - Wall opening 4
- Floor 0
- Floor 1
- Main Heating
- Water Heating
 - Solar Thermal
- Ventilation
- Photovoltaics
- Opening Type 1
- Opening Type 2

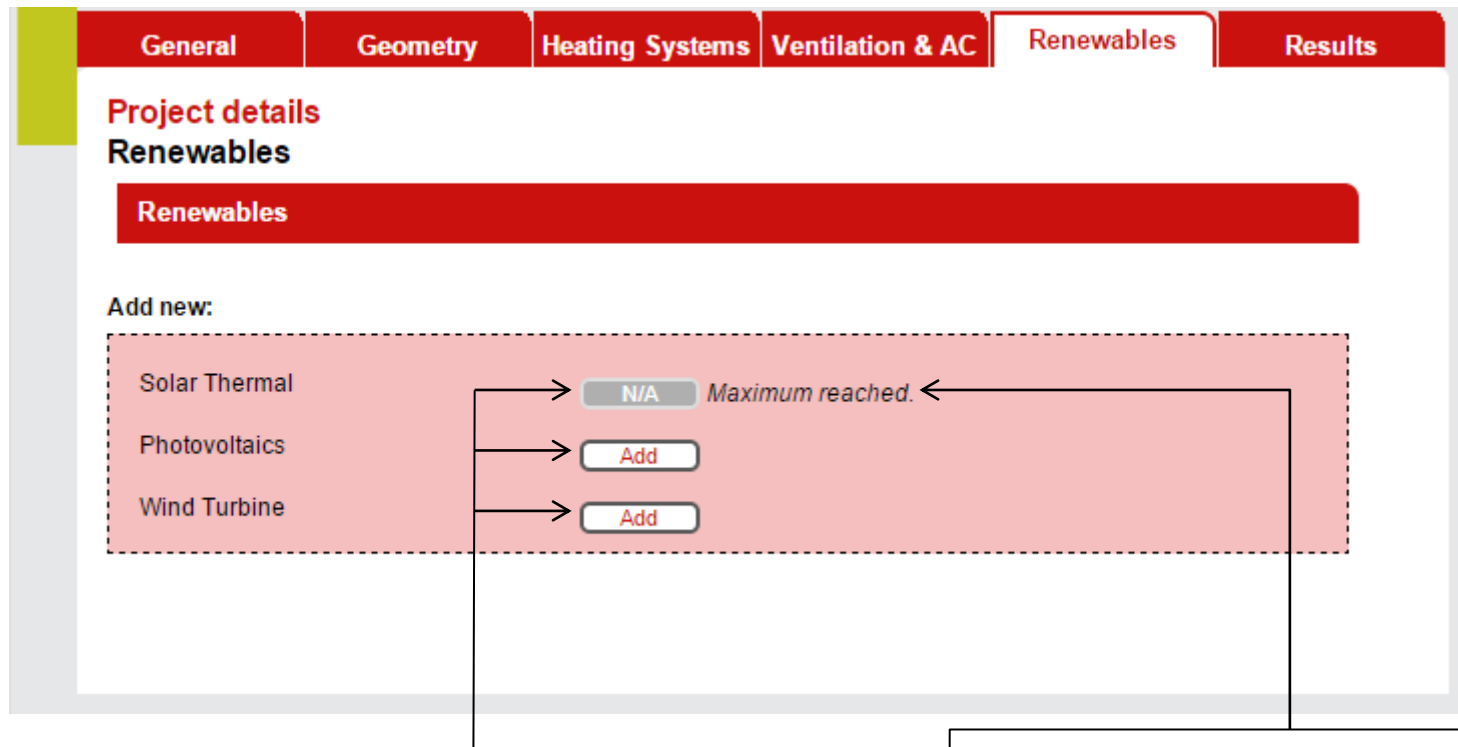
4. Related input fields are grouped for ease of navigation

5. Input project data in the white boxes. Data will be saved automatically

6. The navigation tree shows all the objects currently in the project and their parent/child relationships. Click on an object to view and enter details

Add new object (1)

1. Click on these tabs for options to add new objects to the project



2. Click the appropriate Add button to add an object to the project. You will then be prompted to name the new object, which will be added to the navigation tree

3. If an object cannot be added, then the Add button will be disabled. In this example, the maximum allowed number of solar thermal systems has already been reached

Add new object (2) & delete object

1. Click to add a new instance of this object type (a wall, in this example)

2. Then, if applicable choose which parent object to add the new object to and click confirm. You will then be prompted to name the new object, which will be added to the navigation tree

General **Geometry** Heating Systems Ventilation & AC Renewables Results

Project details
Geometry

Wall

Select instance: Wall Add Delete

Select parent: Building Part Confirm Cancel

Wall

Name	Wall
Type	exposed
Construction ⓘ	cavity wall filled
Area ⓘ	150 m ²
Thermal transmittance (U-value)	0.13 W/m ² K
Effective thermal capacity (kappa-m) ⓘ	kJ/m ² K
Wall opening	Add

3. Click to delete the object selected. In this case, deletion of the only wall in the project is not allowed, so the button is disabled and displayed in grey

4. Where relevant, child objects can be added from the parent page

Inputting data

Project details
Heating Systems
Water heating

1. The name of this object (displayed in navigation tree) can be changed here

2. For each input field, enter data or select option from list. It is recommended that fields are completed in the order they appear on the page

3. Inputs with only one valid option may be disabled and displayed in grey

4. Interface displays error message when data entered is invalid. Invalid data will not be saved

5. Inputs which are not applicable may be disabled and displayed in grey

General

Name	Water Heating
Category	Multi-point gas water heater (instantaneous ser ▼
System Type	Multi-point gas water heater (instantaneous ser ▼
Name of main heating system also providing water heating	N/A ▼
Fuel Type	mains gas ▼
Efficiency data source	from manufacturer declaration ▼
Heating efficiency	110 % Value fails range check.
Primary pipework insulation	N/A ▼
Immersion type	N/A ▼
Tick if heat pump assisted by immersion	<input type="checkbox"/>
Tick if immersion for summer use	<input type="checkbox"/>

Help with inputs

1. You can also navigate between instances of an object type using the drop-down list

Project details Heating Systems

Main heating

Select instance:

Main Heating

Add

Delete

General

Name	Main Heating
Category	boiler with radiators or underfloor heating
Sub Category	Gas boilers
Type	Gas (including LPG) boiler 1998 or later
Sub type	Regular condensing with automatic ignition
Fraction of heated space served by this system ⓘ	1
Data Source	from database
PCDB index number ⓘ	
Heating efficiency ⓘ	
Fuel type	
Tick if heat pump installed	
Microgeneration Installation Standard	
Tick if appliance HETAS-approved	

Product index number from PCDB is always six digits (with leading zeroes if necessary). Use link in menu on the right to access PCDB, search for product, and copy over its index number.

2. Hover over i symbol with mouse cursor to display help text

3. Input fields with a blue outline are required for the calculation

4. Additional help appears below the navigation tree on some pages

Navigation Tree

Example - Simple detached 2013

- Building Part
 - Roof/Ceiling
 - Wall
 - Wall opening 1
 - Wall opening 2
 - Wall opening 3
 - Wall opening 4
 - Floor 0
 - Floor 1
- Main Heating
- Water Heating
 - Solar Thermal
- Ventilation
- Photovoltaics
- Opening Type 1
- Opening Type 2

PCDB Index Numbers Help

[Product Characteristics Database \(PCDB\)](#)

Checking inputs

1. When you have finished data entry, click on the results tab

The screenshot shows a software interface with a top navigation bar containing six tabs: General, Geometry, Heating Systems, Ventilation & AC, Renewables, and Results. The 'Results' tab is selected and highlighted in red. Below the tabs, the 'Project details Results' section is visible. A red dashed box contains an error message: 'Some required fields have not been entered, or data entered is invalid. Please check inputs for the following: - Boiler-Index-Number is required (Main Heating) - Heating-Eff is required (Water Heating)'. Below the error message, it says 'After reviewing these please come back to this tab to run the Jersey SAP assessment for this project.' and there is a 'Calculate' button. Arrows from external text boxes point to the 'Results' tab, the error message, and the 'Calculate' button.

2. If any required fields have been left blank or conflicting data has been entered in related fields, then error messages will be displayed

3. You will not be able to run the calculation until the errors are addressed

4. The part in brackets will tell you which page(s) to check to correct the error(s)

Calculation

General Geometry Heating Systems Ventilation & AC Renewables Results

Project details
Results

Results

You have successfully completed the data entry for this project.

You can now proceed to run the Jersey SAP analysis:

Calculate

When data entry has been completed correctly, you can run the calculation to produce output reports by clicking here

Outputs

1. When the calculation has finished, use these tabs to switch between viewing the EPC, Compliance document and a summary of the data inputs

2. The results documents will be displayed in the PDF viewer

4. Click here to go back and make changes to the project

3. This shows the date on which the calculation was run

