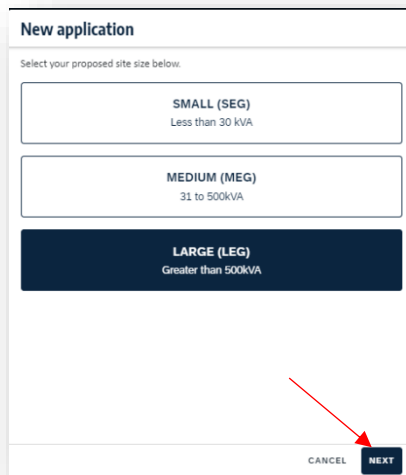
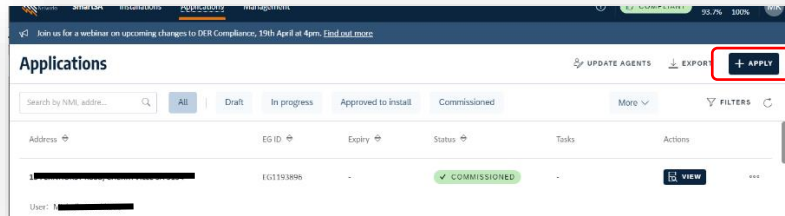


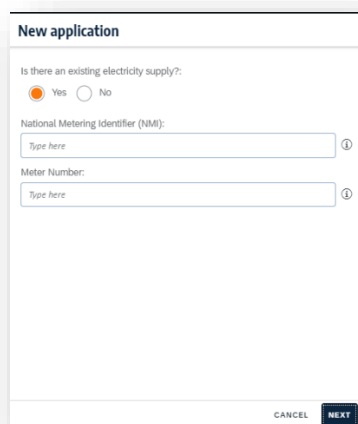
How do I create a LEG application?

This document describes the steps involved in applying for Large Embedded Generation.

1. Click the “Apply” button on the dashboard, then select the size of the EG and click “Next”.



2. If there is an existing supply enter the NMI and Meter number for the site



If the site has no supply, you can provide the address instead of NMI and Meter.

New application

Is there an existing electricity supply?:


Yes No

Please provide the address:

Search...

CANCEL NEXT

Success



You can now start your application at:

Before you start, [read user guides.](#)

CANCEL START

3. If you entered the NMI and meter instead of address, the address will be displayed. Use the “Suggest a change” option and enter the correct address if this is in correct. Then click “Next”.

Application ID: EG1193903 Meter Number: 213643 NMI: [REDACTED]

Location details

Location details

Contact details

Current equipment

Proposed installation

Project details

Review & submit

Total Capacity ⓘ
Incl. capacity of all NMIs in this group.

Current 0kVA Proposed 0kVA

National Metering Identifier (NMI): [REDACTED]

Meter Number: [REDACTED]

Address: [REDACTED]

Is the address incorrect?
[Suggest a change](#)

NEXT > SAVE EXIT

Please provide the address

167-195 CARLTON PDE, PORT AUGUSTA SA 5700

CANCEL

- If the NMI is part of a group, the other NMIs in that cluster will be displayed. You can indicate which NMIs will be included in the application, and you can add more NMIs. Then click “Next”

Group details

This NMI is part of a shared service/connection point or 'group'.
This application will be assessed on the total proposed installation, including all other NMIs in the group.

To apply for a group of NMIs...
Select all NMIs that will be affected by this application.
If you choose to select multiple NMIs, you can include changes to any NMI's from a shared service/connection point in one application.
Please Note: This means you'll be required to close out on all NMIs at the installation stage.

NMIs in group

Select all

Added

Add to application

Is this group incorrect? [Add another NMI](#)

- Enter the contact details and then click “next” to proceed
 - The customer is the person who is responsible to sign the contract
 - The principal point of contact is the person with whom SA Power Networks will be liaising
 - The Billing contact is the person / organisation who will be receiving and paying invoices
 - Enter the installer contact information if known

Note you can use the “Same as” check boxes if any contact people are the same.

The screenshot shows a 'Contact details' form with the following sections and fields:

- Customer (Responsible to sign Offer Letter and Ongoing Connection Contact):** Contact First Name, Contact Surname, ABN, Entity/Business Name, Phone Number, Email Address, Address, Search.
- Billing Contact:** Same as Customer, Same as Principal Contact, Contact First Name, Contact Surname, ABN, Entity/Business Name, Phone Number, Email Address, Address, Search.
- Principal Point of Contact:** Same as Customer, Same as Billing Contact, Contact First Name, Contact Surname, ABN, Entity/Business Name, Phone Number, Email Address, Address, Search.
- Installer:** Contact First Name, Contact Surname, Phone Number, Email Address.

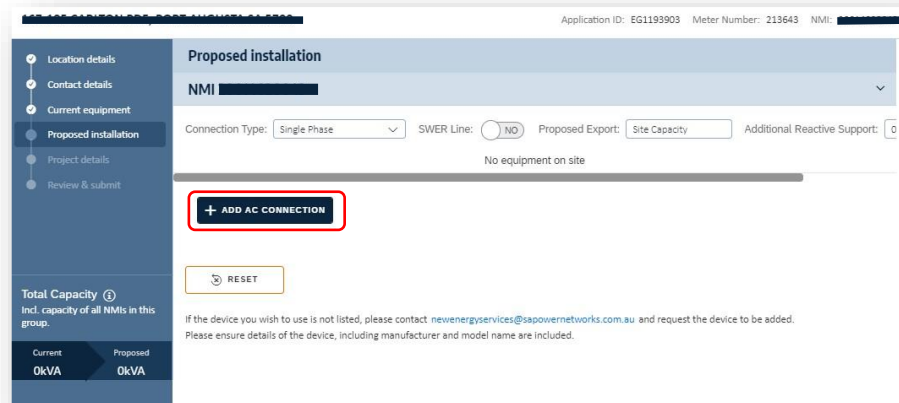
- Any existing equipment (either installed or approved) located at the site will be displayed. If the information is correct, indicate “yes” and proceed by clicking next. If it is incorrect, click “No” to be able to edit the information. Note: if the application relates to a group of NMIs this information will be repeated for each NMI in the group or cluster.

Make sure you have selected the correct phase from the connection type drop-down list

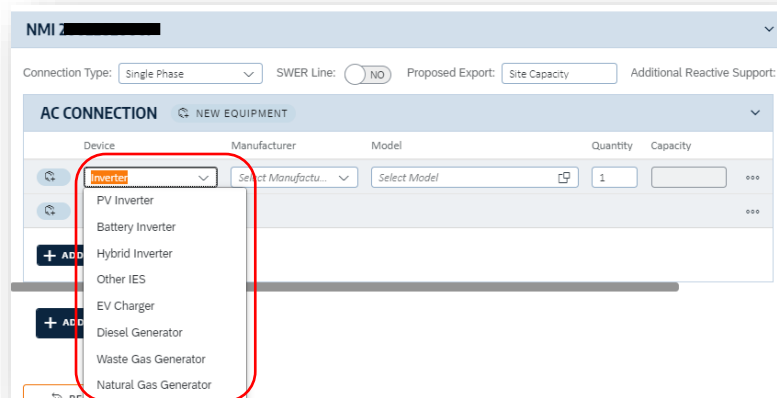
The screenshot shows the 'Current equipment' section with the following elements:

- Application ID: EG119905, Meter Number: ED041603526, NMI: [REDACTED]
- Navigation menu: Location details, Contact details, **Current equipment**, Proposed installation, Project details, Review & submit.
- Total Capacity: 0 kVA (incl. capacity of all NMIs in this group). Current: 0 kVA, Proposed: 0 kVA.
- Section title: **Current equipment**
- Text: Are our records correct? Please confirm that the installation details below are currently present at these locations.
- Buttons: Yes, No (highlighted with a red box).
- Form fields: Connection Type: Single Phase, SWER Line: NO (highlighted with a red box).
- Text: No equipment on site.
- Bottom navigation: < PREVIOUS, **NEXT** >, SAVE, EXIT. A red arrow points to the 'NEXT' button.

- The "Proposed installation" page will be displayed. Click "Add AC Connection". Note: if this applies to a group of NMIs (cluster) you will be able to repeat these steps for each NMI in the cluster

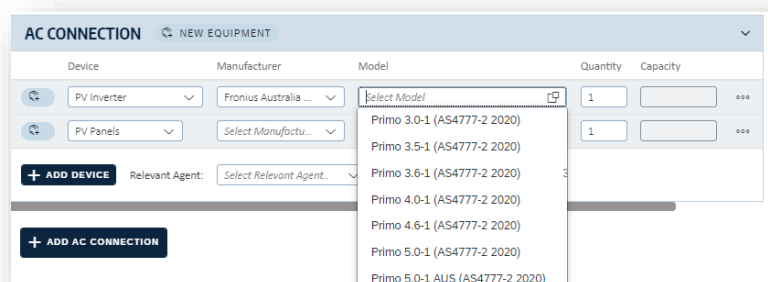


- Select the inverter type from the drop-down box



- Select the manufacturer from the drop-down box, then select the model

If the AC connection device is not in the list, or is not yet known, you will be able to select "Unknown" for the manufacturer and model when submitting the application, the actual information will need to be completed before approval can be granted. In this example, PV panels auto populated in the form because a PV inverter was entered for the AC connection. Enter the panels details as well.



- The form will automatically populate the kVa for the inverter, you can manually edit the generation capacity that is being requested if the manufacturer and model are unknown.

The screenshot shows the 'AC CONNECTION' section of the SmartSA application. It features a table with columns for Device, Manufacturer, Model, Quantity, and Capacity. Two rows are visible: one for a 'PV Inverter' (Fronius Australia, Primo 8.2-1) with a capacity of 820 kVA, and one for 'PV Panels' (FuturaSun srl, FU 460 MV Silk Pro) with a capacity of 92 kW. The Capacity field for the PV Inverter is highlighted with a red box. Below the table are buttons for '+ ADD DEVICE', '+ ADD AC CONNECTION', and a 'Relevant Agent' dropdown menu.

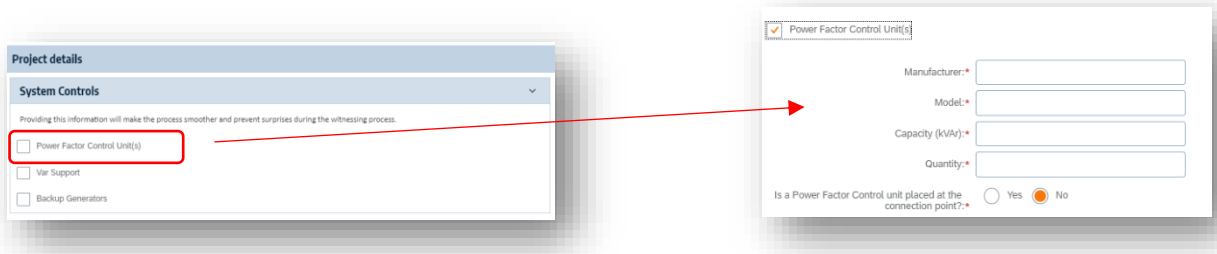
- You can continue to add devices or inverters, as required. For PV you are required to select a relevant agent from the drop-down list. For LEGS select SA Power Networks SCADA control.

This screenshot shows the 'Relevant Agent' dropdown menu open. The menu lists several options, including 'SA Power Networks - Fronius', 'SA Power Networks - Goodwe', 'SA Power Networks - Mondo', 'SA Power Networks - PLUS ES', 'SA Power Networks - SCADA Control', 'SA Power Networks - SwitchDin', and 'SA Power Networks - Wat watchers'. The 'SA Power Networks - SCADA Control' option is highlighted with a red box. The background shows the same AC Connection table as the previous screenshot.

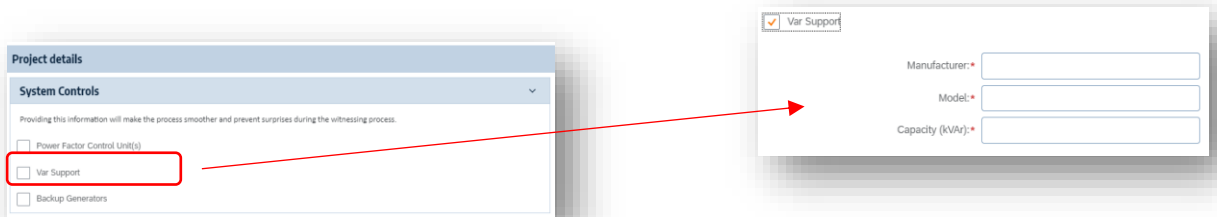
- Once you have entered all devices for the AC Connection or inverter, select the export limiting device, and click "Next".

This screenshot shows the 'EXPORT LIMITING DEVICE' section of the form. A dropdown menu is open, showing the option 'SA Power Networks SCADA- RTU', which is highlighted with a red box. Below this section are buttons for '< PREVIOUS', 'NEXT >', 'SAVE', and 'EXIT'.

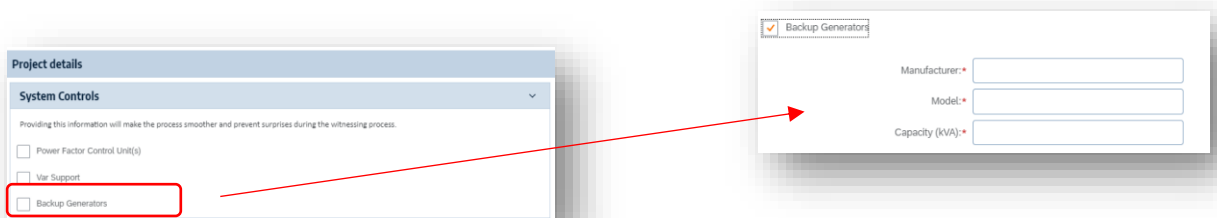
13. The project details page is displayed. Tick the checkbox alongside Power Factor Control units if any will be included in the installation. Power Factor Control Detail fields will be displayed, enter the manufacturer, make, capacity, quantity and indicate if it will be placed at the connection point. If manufacturer and model are not yet known, it is acceptable to enter “unknown” provided this information is supplied before the offer is accepted.



14. Tick the checkbox alongside Var support if any will be included in the installation. Var support fields will be displayed, enter the manufacturer, model, and capacity. If manufacturer and model are not yet known, it is acceptable to enter “unknown” provided this information is supplied before the offer is accepted.

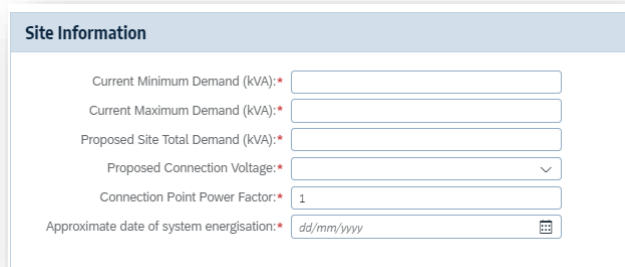


15. Tick the checkbox alongside Backup generators if any will be included in the installation. Backup generator fields will be displayed, enter the manufacturer, model, and capacity. If manufacturer and model are not yet known, it is acceptable to enter “unknown” provided this information is supplied before the offer is accepted.



16. Enter information about the site
- Current minimum demand – the minimum load the site currently pulls from the grid for new sites this will be 0 kVA

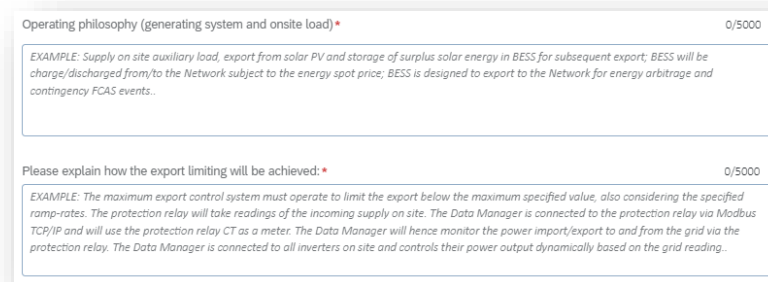
- Current maximum demand – the authorised current capacity as agreed with SA Power Networks i.e. the maximum load the site currently pulls from the grid for new sites this will be 0 kVA
- Proposed site total demand – enter the proposed maximum demand or enter the current maximum load if this will remain unchanged



The 'Site Information' form contains the following fields:

- Current Minimum Demand (kVA):*
- Current Maximum Demand (kVA):*
- Proposed Site Total Demand (kVA):*
- Proposed Connection Voltage:*
- Connection Point Power Factor:*
- Approximate date of system energisation:*

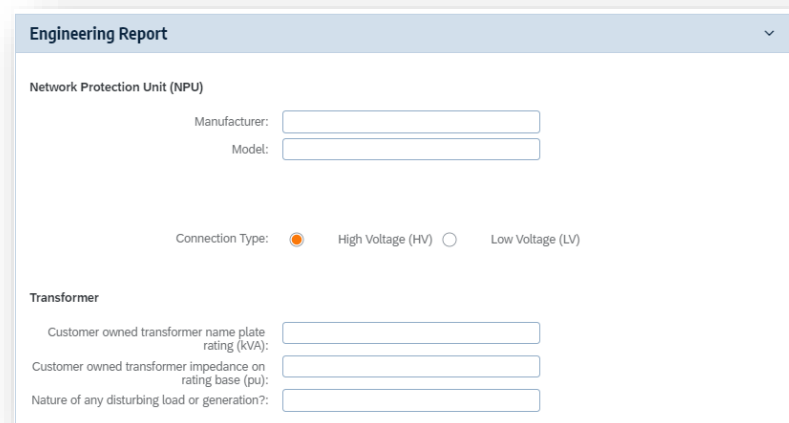
17. Enter information about the operating philosophy and describe how export limiting will be achieved, if applicable.



The form contains two text input areas:

- Operating philosophy (generating system and onsite load) *** (0/5000)
EXAMPLE: Supply on site auxiliary load, export from solar PV and storage of surplus solar energy in BESS for subsequent export; BESS will be charge/discharged from/to the Network subject to the energy spot price; BESS is designed to export to the Network for energy arbitrage and contingency FCAS events.
- Please explain how the export limiting will be achieved: *** (0/5000)
EXAMPLE: The maximum export control system must operate to limit the export below the maximum specified value, also considering the specified ramp-rates. The protection relay will take readings of the incoming supply on site. The Data Manager is connected to the protection relay via Modbus TCP/IP and will use the protection relay CT as a meter. The Data Manager will hence monitor the power import/export to and from the grid via the protection relay. The Data Manager is connected to all inverters on site and controls their power output dynamically based on the grid reading.

18. In this section, details required for the Engineering report need to be provided. Often at time of application this information is not known and is not mandatory at initial application. These details can be entered later however are required to be able to provide an Engineering report.

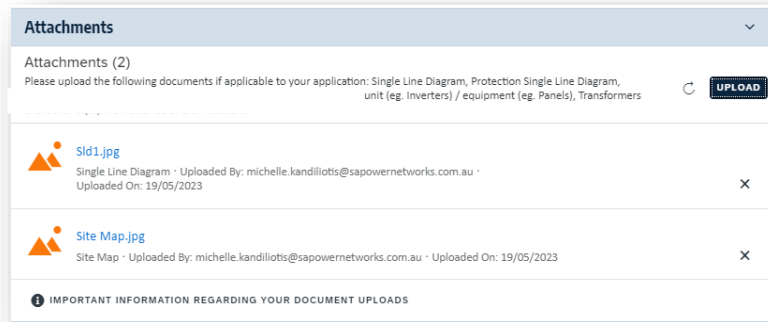


The 'Engineering Report' form includes the following sections and fields:

- Network Protection Unit (NPU)**
 - Manufacturer:
 - Model:
 - Connection Type: High Voltage (HV) Low Voltage (LV)
- Transformer**
 - Customer owned transformer name plate rating (kVA):
 - Customer owned transformer impedance on rating base (pu):
 - Nature of any disturbing load or generation?:

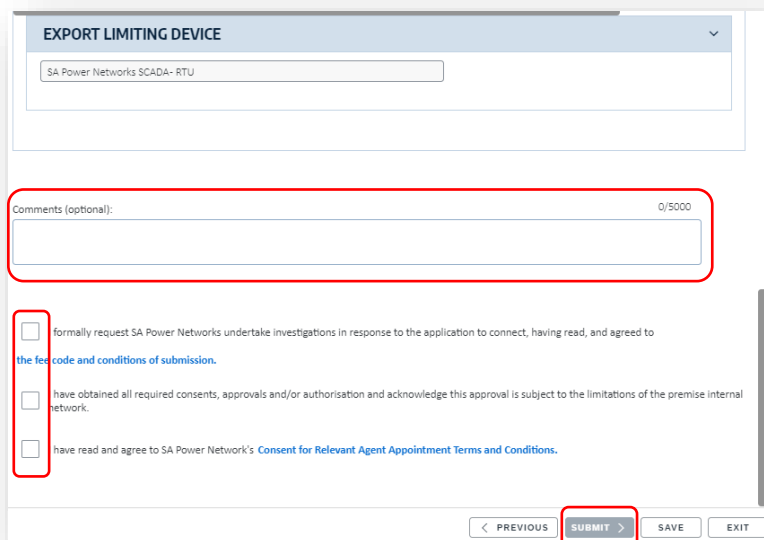
19. Use the upload button to attach documents. In order to submit, a site plan showing the generating systems location must be attached. After submitting the application but prior to

the Engineering report, single line diagram, site map, and 3 data sheets must also be attached.



20. Click next once the site information is complete

21. The entire application is displayed. You can choose to use the previous button edit any section, add supporting information here, and then agree to the terms displayed, and then click submit when ready.



22. The approved application will be displayed on your dashboard. An approval email will be sent to your email address and the customer address that you entered in step 5. The progress of the application and its current status will be displayed in the bottom right corner.