1 SCOPE of Work

Requirements In Detail

Develop a user-friendly progressive Web application using the latest technologies, easy navigation, and proper implementation of Calculations.

1. Progressive Website application for User
2. Progressive User panel for customers
3. Admin Panel
4. Responsive design for mobile

Scope of work in detail

1. Initial Setup
   1. Designing UI/UX for the website
   2. Set up Backend – website coding, Admin panel, user panel
   3. Set up Frontend- Front end coding for Website, Admin panel and user panel.
2. Website functionalities by page

**Home Page**

* 1. Header – All pages with sub menu’s and call now button.
  2. Main Section- Home Page - Design Now
     1. Dynamic Australia map with option to select state and Vice versa, Also this will be used to pick up the state rebate which will be configured in the back end using the supplied excel.
     2. Re directing to Design Now system after user fills out the above information.
     3. Ability to add/remove/disable(grey) states from Admin panel.

2nd Section – About us

1. Image and Content.

3rd Section- Your One stop Solution

1. Content.
2. Icons and hyperlinks to the icons to their respective pages.
3. Hide Select the energy plan for now.

4th Section- Why save with make my energy

1. Content, Hyperlinks.
2. GIF on the right showcasing Design Now system and other solar images. Similar to the homepage from Shinehub.

5th Section- Association

* 1. Logo and Hyperlinks to the Associations page.

6th Section – Contact us

1. Contact us form and SMTP integration. Explore TypeForm integration.
2. Content & Hyperlinks.

7th Section- Accreditations

1. Logo and Hyperlinks- - PDF View only.
2. For both companies.

8th Footer Section

1. Divided in two parts- horizontal with logo and content.
2. Quick links replicating the header menu/submenu items, contact us details and reach us details with hyperlinks.
3. Social Icons FB, Insta, Linkedin.
4. ABN Numbers for both companies (MME, MME NSW).

9th Static chat button at bottom right of the page at all times

1. **Associations Page** 
   1. Association – Logo
2. Accreditations - Logo and Hyperlinks- - PDF View.
3. **Install Now, Pay Later**
4. **Solar Installation – Regional**
5. **Solar Installation – Metro**
6. **Solar Installation- Residential**
7. **Solar Installation – Commercial**
8. **VPP Finance**
9. **Energy efficiency Programs**
10. **Energy Monitoring**
11. **Panel page** 
    1. Logo
    2. In Admin Panel the below options:
       * + Add/Remove brands, brand logo, product image, Models in W size, description, price.
         + Enable/disable product.
         + upload the pdf according to W size
    3. Functionality:

- User clicks on logo then, image, panel description, logo, W and pdf download option will display on right. Pdf download option to be visible even after a product is disabled from backend.

- Allow user to select a system.

- Show price and disclaimer.

- After submit request, should go to login page.

1. **Inverters page:**
   1. Logo
   2. In Admin Panel the below options:
      * + Add/Remove brands, brand logo, product image, Models in W size, description, price.
        + Enable/disable product.
        + upload the pdf according to W size
   3. Functionality:

- User clicks on logo then, image, panel description, logo, W and pdf download option will display on right. Pdf download option to be visible even after a product is disabled from backend.

- Allow user to select a system.

- Show price and disclaimer.

- After submit request, should go to login page.

1. **Batteries Page**
   1. Logo
   2. In Admin Panel the below options:
      * + Add/Remove brands, brand logo, product image, Models in W size, description, price.
        + Enable/disable product.
        + upload the pdf according to W size
   3. Functionality:

- User clicks on logo then, image, panel description, logo, W and pdf download option will display on right. Pdf download option to be visible even after a product is disabled from backend.

- Allow user to select a system.

- Show price and disclaimer.

- **NOTE -** Add a question “Do you have existing panels?” – Yes - No

- After submit request, should go to login page.

1. **Optimizers page:** 
   1. Logo
   2. In Admin Panel the below options:
      * + Add/Remove brands, brand logo, product image, Models in W size, description, price.
        + Enable/disable product.
        + upload the pdf according to W size
   3. Functionality:

- User clicks on logo then, image, panel description, logo, W and pdf download option will display on right. Pdf download option to be visible even after a product is disabled from backend.

- Allow user to select a system.

- Show price and disclaimer.

- After submit request, should go to login page.

1. **EV Chargers Page:** 
   1. Logo
   2. In Admin Panel the below options:
      * + Add/Remove brands, brand logo, product image, Models in W size, description, price.
        + Enable/disable product.
        + upload the pdf according to W size
   3. Functionality:

- User clicks on logo then, image, panel description, logo, W and pdf download option will display on right. Pdf download option to be visible even after a product is disabled from backend.

- Allow user to select a system.

- Show price and disclaimer.

- After submit request, should go to login page.

1. **Solar PPA page (Commercial needs to be finalised)**
   1. Image and content. — Similar to existing website page. Needs to come in Commercial page.
2. **How does solar work?**
3. **Rebates**
4. **Calculate your savings**
5. **Complaint handling procedures**
6. **Covid-19 Precautions**
7. **CEC Code of Conduct**
8. **Terms and conditions**
9. **Design Now**

Page 1

* 1. Basic Information
  2. Property Information
  3. Recommended Solar System
  4. Solar Panel
  5. Inverter
  6. Battery
  7. Select additional product as per the Flow chart
  8. Optimizer
  9. EV Charger
  10. Summary

Page 1 Design now Individual Section- Basic Information

1. Basic Information: Enter your bill and post code
   * + - Bill amount is a slider. Bill amount is to be used in calculation for the recommend KW system. hence.
       - Enter Postcode. Post code is going to be used to calculate STC’s
       - Both bill amount and postcode needs to be in admin panel.

Page 1 Design now Individual Section- Property Information

**Use the flow from the flow chart shared with you.**

1. Select/View Residential and Commercial, For Commercial Tab – we will just need to attach contact us form and the information captured will be sent to us via SMS/Email/notification on admin panel.
2. For Residential, Options like no of floor, roof, roof material, type of meter- Radio buttons, more information on radio buttons given in excel file. All the values need to be (variables) fed from backend admin panel - If we add values radio button will be inserted on frontend and if we remove a value, it needs to be hidden/deleted from frontend.
   * + - Use the pricing for these individual property information questions from the excel. The pricing should be set as variables in the admin panel. The pricing will be used to calculate the final summary price.
3. Recommended solar system to show recommendation based on the table in excel. Also give the customer an option to choose another system size.
4. All product selections like panels, inverter, battery, additional products, optimizers, EV charger will have the below options:
   * + - List of Brands on the top to select from.
       - Once someone selects a brand, all the models to be displayed at the bottom similar to the brand-model-description view from the product pages.
5. At all times show the price summary on the right side, it should move with user’s scroll on the page.
6. The calculation for the price summary needs to be used from the provided excel. All the yellow highlighted parts in the excel need to come from the admin panel variables.
7. Finance price to be shown with Summary price.
   * + - Add a toggle button option under the price summary
         1. Monthly, Fortnightly, Weekly (by default)
         2. Upfront

– Show the Monthly, Fortnightly, Weekly repayment based on a custom finance calculator to be built in admin panel. Refer to Pylon finance. To share screenshots after discussion in meeting.

* + - * Option to control what to display on summary - Monthly, Fortnightly, Weekly from admin panel.
      * Amount to be picked up from summary.

1. All prices for individual brands, models, sizes need to come from the admin panel variables. Don’t show models that have a price as NA.
2. Keep in mind the notes column from C- Battery sheet in excel for brand model specific logic and the popups to be displayed.
3. Show inverter selection after user selects a Battery as per the flow diagram in excel.
   * + - Refer to the C- Battery compatibility map sheet in excel to display only compatible Inverter brands.
       - Also, use this sheet to display if a battery charger is required. If value ‘Y’ in excel only then show battery charger.
       - Add this sheet as a table to the admin panel for us to update later.
4. After clicking on Submit order for review, user should be navigated to Sign in/Sign Up page.
5. **Login/Signup**
   1. Login
   2. Log out
   3. Sign up
      * + In sign up form, give the option to find complete address like google, etc.
   4. Forgot password
   5. After a successful sign in/sign up following should happen:
      * + An account to be created for the customer
        + An order is to be created for the customer and order details to be visible to admin in admin panel with the option to edit customers selections.
        + Option to edit customer account details in the admin panel.
6. **Notifications**
   1. Email/sms to admins for a new account/order created.
   2. Email/sms whenever a user completes the contact us form
7. **Customer panel**

On successful Sign up/Sign in user should land on their Customer panel page.

Customer to be able to:

* + - * View/Edit their customer details from top right corner
      * Logout

1St Design Review

* 1. Customer to complete Indoor task – Upload electricity bill
     + - The bill should be available to us in the admin panel next to this customer
  2. Customer to complete outdoor task
     + - Upload photos of Meter board. Select meter location. Photos and location selections should be available to us in the admin panel next to this customer
       - Upload photos of Inverter location. Select inverter location. Photos and location selections should be available to us in the admin panel next to this customer
       - Upload photos of Roof. Photos should be available to us in the admin panel next to this customer
  3. Apply for Finance button in the left pane. Redirect to financers page. URL redirect. URL link to be uploaded from Admin panel.
  4. Getting confused. Call now button on left in nav pane

2ND View Your Progress

* + - * Show the contents of URL link to pylon’s progress page.
      * Option to upload url link from admin panel.
      * If there is no url value in the admin panel for this customer, display text saying “Your order has been received and is currently under review.”

3RD My System

1. Option in admin panel to add the below URLs for a customer. Until a url is added, display the customer’s summary without price, but with Brand logo, model and quantity.
   * + - Create a unique ID for each summary/order that the customer has created. These summaries should be accessible/editable from the admin panel. If the customer has created multiple summaries and a URL for Proposal/Comparison has not been added in the admin panel, then show all the summaries (Max 5 only) on this page.
       - Add option to edit My Design next to each summary option. User should be redirected to Design Now with their selections for that summary.
       - **URL for Proposal** – Option to add it from admin panel. If not present, show the summary as stated above. If present,
         1. Do not show the summary from above.
         2. Show the option to Edit my design.
         3. Show the URL content and if the customer clicks anywhere on that section, then it takes the customer to the Pylon url.
       - **URL for Comparison** – Option to add it from admin panel. If not present, show the content from the Proposal URL. If present,
         1. Do not show the summary from above.
         2. Show the option to Edit my design.
         3. Show the URL content and if the customer clicks anywhere on individual proposal link then it takes the customer to the individual Pylon url.
     1. Option to update/edit the summaries from admin panel for admin.
     2. How many comparisons to display. – Max 5

4TH Monitor – Integration for Solar Analytics. URL integration most likely.

**Admin panel**

Similar to the existing admin panel.

1. Dashboard

* Show KPIs/charts – unique visitors, how many people have clicked on Contact us/call now button. Traffic for individual pages.
* Sales report by customer status (WTD, MTD, YTD).

1. Website management

* State display option

1. Customer management
   * + - All customer details table.
       - Each customer’s summaries/orders. Ability to edit/update/delete. Add option for Status (Lead generated, Contacted, Proposal sent, Sold, Cancelled, Stuck, After Sales)
       - Add/update/delete URLs - View your progress, Proposal, Comparison, Solar monitoring for individual customers.
       - All photos uploaded by customer to be available here.
       - Options like meter location to be visible in admin panel for that customer.
2. Product Management

* All excel sheet data in separate tables with option to edit/update data.
* Ability to add/delete/update details, price, logos, pdf etc. Everything from excel for all products.
* Disable/enable products option here.
* All dynamic calculations to be placed here.
* Set all variable values here.

1. Finance calculator

* Monthly, Fortnightly, Weekly repayment based on a custom finance calculator to be built in admin panel. Refer to Pylon finance. To share screenshots after discussion in meeting.
* Option to control what to display on summary - Monthly, Fortnightly, Weekly from admin panel.

1. Solar monitoring – integration in admin panel with Solar Analytics.
2. User Management
   * + - Create/Update admin panel users (Delete user, change password, etc.)
       - Create option as per existing panel allowing us to choose what features a user has access to.
3. View/Update my details.
4. Notifications

* Each Order/ new user created
* Update/edit details for Phone number/email where notification is sent.

1. Setup Staging
   1. Getting the infrastructure ready
   2. Hosting all applications - Patron, Vendor, Runner, Admin
   3. DNS/CDN configurations
2. Go-Live Tasks
   1. Getting the infrastructure ready
   2. Hosting all applications - Patron, Vendor, Runner, Admin
   3. DNS/CDN configurations

Exclusions from scope

* + The scope of work defined under this proposal will be the base document for the requirements.
  + All features not part of this document's scope will be considered out of scope.

Technology Stack

Mobile Application Development with React Native environment

|  |  |
| --- | --- |
| Software | Product |
| Programming Language | React Native (web) |
| Backend | Node.js |
| Database | Mongo DB |
| Operating System | Linux |

Web Admin Panel Browser Compatibility

|  |
| --- |
| Supported Browser |
| Firefox (Latest Version) (Windows & MAC PC) |
| Google Chrome (Latest Version) (Windows & MAC PC) |
| Safari (Windows & MAC PC) |

Mobile Browser Compatibility

|  |
| --- |
| Supported Browser |
| Desktop |
| Mobile |
| Tab |