

Solar CRM

Comprehensive Solar Management Solution for Arise Solar, Australia

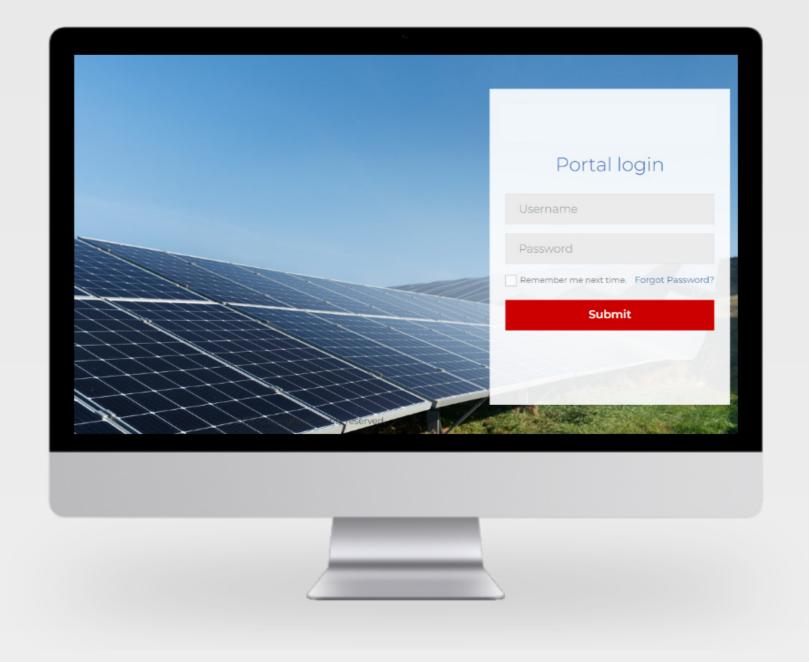
Project Summary

Arise Solar, a leading solar energy provider in Australia, required a complete end-to-end solution encompassing presales, order management, project management, invoicing, and after-sales support. The solution included a web application and mobile apps for sales and installers to facilitate various tasks efficiently.

Application Details and Features

The solution for Arise Solar was divided into two main applications: Solar Application and Warehouse Application.

Solar Application:



Leads:

- Manage Leads
- Import Leads

Customers:

• Manage customer information and interactions.

Installer:

 Manage installer details and assignments

Contacts:

 Manage contacts associated with leads and customers.

Projects:

• Oversee project details from initiation to completion.

Installation:

 Track installation schedules and progress.

Invoice:

- Installer Invoice (Pending and Paid)
- Sales Invoice (Pending and Paid)

STC:

• Manage Small-scale Technology Certificates (STCs).

Reports:

- Invoice Report
- Active Sales Report
- Outstanding Report

Tracker:

- Lead Tracker
- Installation Booking Tracker
- Grid Connection Tracker
- Refund Tracker
- Promo Tracker
- Payway Payment Tracker
- Promotion Tracker

Warehouse Application (Portal + Mobile App):

Manage Warehouse:

• Location-wise warehouse management.

Stock Item:

Manage stock items.

Stock Transfer:

Manage stock transfers between locations.

Wholesaler Order:

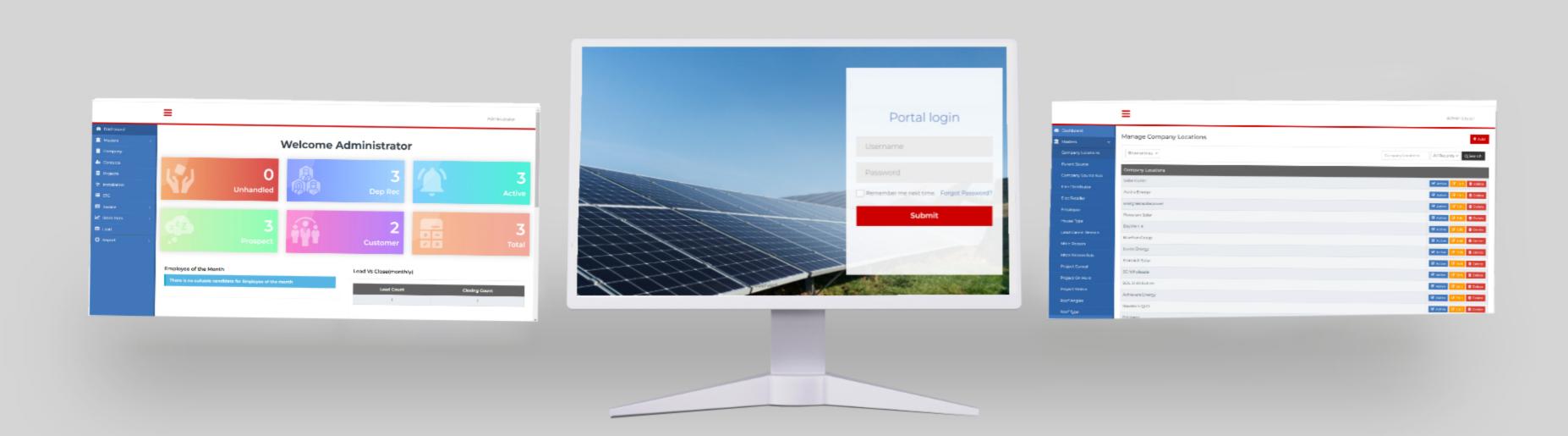
- Manage wholesalers and their orders.
- Order Tracker

Stock Order:

- Create and track orders.
- Payment Tracker

Reports:

- Stock Deducted Report
- Stock Received Report
- Broken Serial Number Report
- Stock Prediction (Based on Solar Application jobs, Wholesaler Order, and Stock Order)
- Pending Scan Jobs (Solar Application Jobs)
- Pending Scan Stock Order
- Pending Scan Wholesaler Order
- Serial Number Wise Report
- Reconciliation Report





Technology Used

- Requirement Understanding: Understanding the comprehensive needs of a complete end-to-end solar management solution, including integrating various third-party APIs and frameworks.
- Role-Based Access: Implementing a robust role-based system for managing permissions and privileges for different users.
- **Real-Time Data Management:** Ensuring real-time updates and seamless data flow between web and mobile applications.
- Integration with External Systems: Efficient integration with third-party APIs like Twilio, SendGrid, Google Map API, Xero Accounting, etc.
- Backend: ASP.NET WebForms, ASP.NET Core 3.x
- Frontend: Angular 9.x, jQuery, Xamarin Forms, IOS (SWIFT), Android (Java), **React Native**
- **Database:** SQL Server 2008 2012 R2
- Third-Party Frameworks: ASPNETZERO (multi-tenancy based ASP.NET MVC framework), Telerik Reporting, Scandit Barcode Scanner (Native, Xamarin, and React Native SDK)
- Third-Party API Integration: Twilio (SMS/Programmable SMS) - SendGrid - Google Map API V2 - Xero Accounting - FormBay - GreenBot -Payment Gateway - NearMap

Solution

- Custom Workflow Implementation: Developed custom workflows for managing leads, projects, installations, and invoicing to cater to Arise Solar's specific requirements.
- Mobile App Development: Created mobile apps for sales and installers to facilitate on-the-go access and task management.
- Third-Party Integrations: Seamlessly integrated with various third-party APIs and frameworks to enhance functionality and user experience.
- Comprehensive Reporting: Implemented detailed reporting features to provide insights into sales, installations, stock management, and financials.

Summary

The comprehensive solution developed for Arise Solar has streamlined their operations from pre-sales to after-sales support. The web application and mobile apps have enabled efficient lead management, project tracking, installation scheduling, invoicing, and stock management. The integration with third-party APIs and robust reporting features have further enhanced the operational efficiency and decision-making capabilities of Arise Solar.

