enel X X-CONNECT

Case Study

What

We are a global company with strong roots in the energy sector and an open strategy geared towards digitalisation, sustainability and innovation.

We use smart, simple and fast technologies to help our customers discover a new way of using energy, all over the world.

Why

Our goal is to help customers transform energy into New Power to enable the creation of New Value for everyone.

We have a clear ambition: build the leading global energy as a service business.

For

- businesses (B2B)
- cities (B2G)
- individuals (B2C)



Customer Pain Points

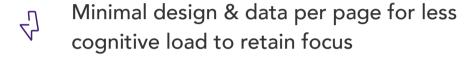
Main Pain Points

- Our customers need a reliable tool to connect data points accross multiple domains from financial and purchasing to cost and usage reporting.
- lt is not easy for the customers to find the information they need.
- The current interface is cumbersome and difficult to use because:
 - Dated visual design
 - Heavy loading time for most pages
 - Non-intuitive page layout
 - Small font size (hard to read)
 - No help desk page
- Incomplete user flow. Overall customers can achieve their tasks on our interface but not without a third party tools (ex. Microsoft BI).
- Lacking the ability to generate custom data reports and comparison.

Overall Goals

Goals

Design a seamless experience (modern & easy to use) that presents real-time data accross all domains of interest.



- 「介 Fast loading experience
- Intuitive navigation
- Ability to self-service custom data
- Improve communication & file sharing accross organization
- Dynamic help area

Detailed Problem & Solution

Problems

Solutions

The current system is split in two: UBM (Utility Bill Management) and Exchange (Energy Procurement). To access data, the customer needs to login on both platforms using separate logins.

• Create a single sign-on / login page.

The reporting tool is very heavy to load and is not showing up to date information so it can be be used effectively. • Build a robust interface in collaboration with Engineering team that loads fast and presents real-time data.

In order to see more granular data and visualization, customer uses third party tools.

• Allow data visualization by designing specific the features that the customer needs.

The customer needs to contact support team in order to build customs reports. The process is cumbersome and can take up to a week.

• Build a custom reporting tool that allows customers to create their own reports in minutes and not days.

Customers are asking for a way to share information and reporting data across the organization.

• Design a live sharing capability that presents real-time data and not just exported data.

Users & Audience

Personas & User Journey

In order to better understand our users and thier day to day tasks we created a personas document.



Daily Tasks

- Contracts and supply side management
- Budget analysis & reporting
- Identifying missing bills and data.
 Finding opportunities and cost effective energy procurement

Issues

- Reporting and analyzing data is difficult
- Budgets analysis is time consuming and difficult without proactive reporting
- Data discrepancies between utility bills and performance data. Matching up different data sources to compare them is a tedious process.

Team Collaboration & Constrains



Collaboration between stakeholders and product team was bumpy at times due to micro-management expectations.



Design team - Engineering collabortion was difficult at times due to different time zones. Engineers are spread on 3 continents (North America, Italy & India)



Hiring a Design agency to over see UX was an impediment and pushed the project back several months.

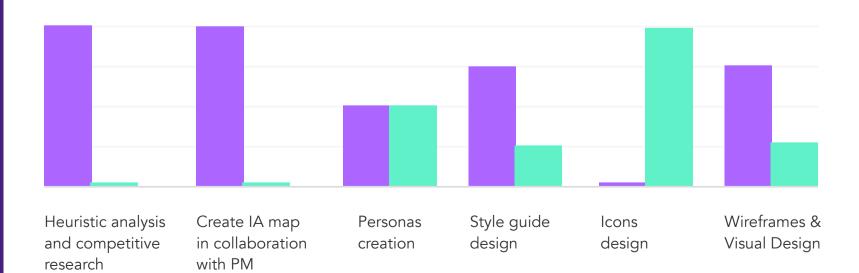
Design Roles & Responsabilities

Design team

The design team working on this project had 4 members.



Responsabilities



Design Process

Process & Outcome

The design team was charged to come up with an improved solution to the former EnerNoc interface.

After creatiing a competitive research

document and evaluating the legacy system, the design team suggested designing a new tool that would be better suited to the customer needs.

Adrian's work



When I first joined the project, my role was to research Enel competitors applications and also find ways to (temporary) improve the current interface for our clients.



Further work required close collaboration with PM for the creation of wireframes and prototypes to present to the stakeholders.



I was also charged to design the unique Enel NA style guide. On the style guide



While being part of the Advisory comitee I worked closely with the stakeholders to achieve our product goals and on timeline. I proposed implementation of Zeplin for faster design hand-off and using Google material design as a guideline for our design system / iconography.

Outcome & Results

Project Outcome

X-Connect MVP was lunched in mid 2020 and had a positive impact on our users receiving appraisals from most of our customers.

Achieved Goals

- Intuitive design with minimal cognitive load. Customers find it easy to navigate and find the information they are looking for effortlessly.
- Positive feedback on custom reporting tool and data visualization (self-service).
- An easy way to find and search help articles by implementing Intercom.

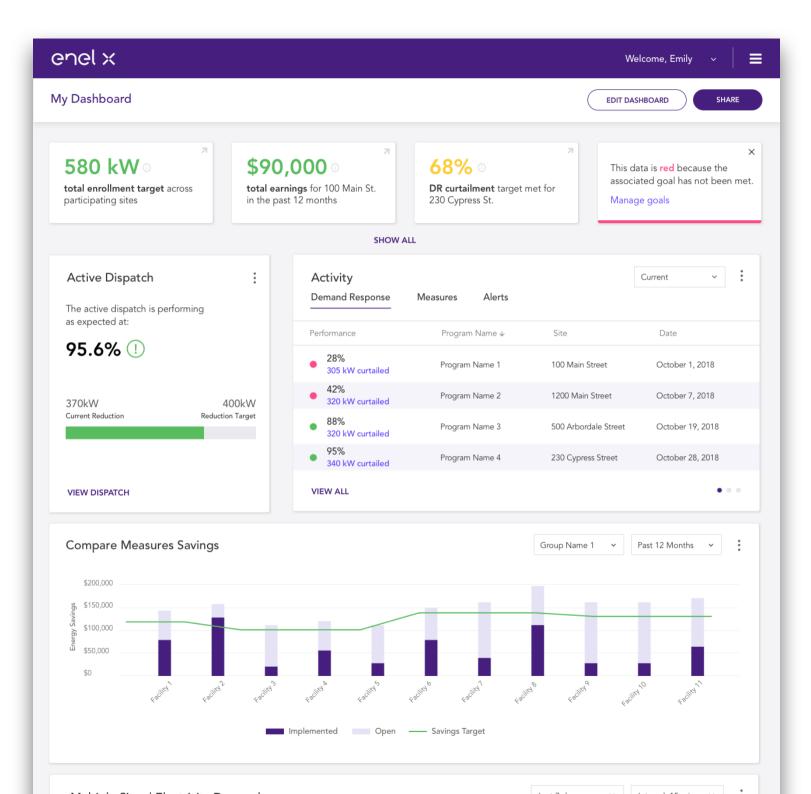
Not Achived Goals (SD)

- Pages loading times are not as expected
- A custom in-house solution for reporting
- Improve communication & file sharing accross client's organization
- Launching X-Connect on time

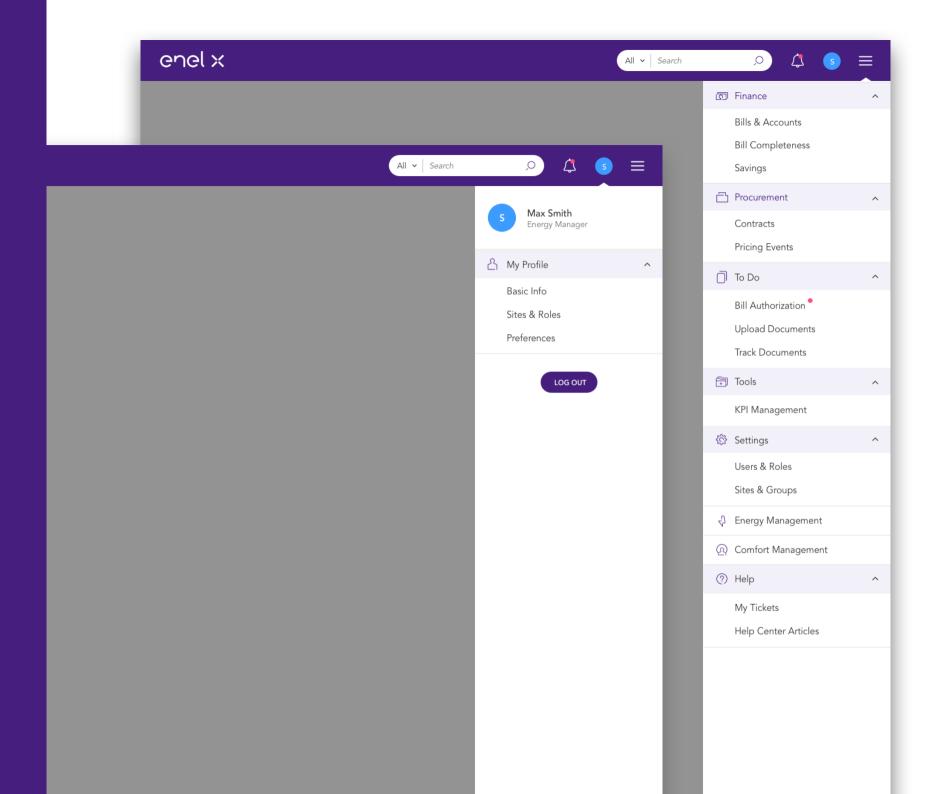
Lessons Learned

- Having regular contextual interviews with the customers helped us better understand their needs
- Involving stakeholders in the design review gave us high-level clarity of project goals

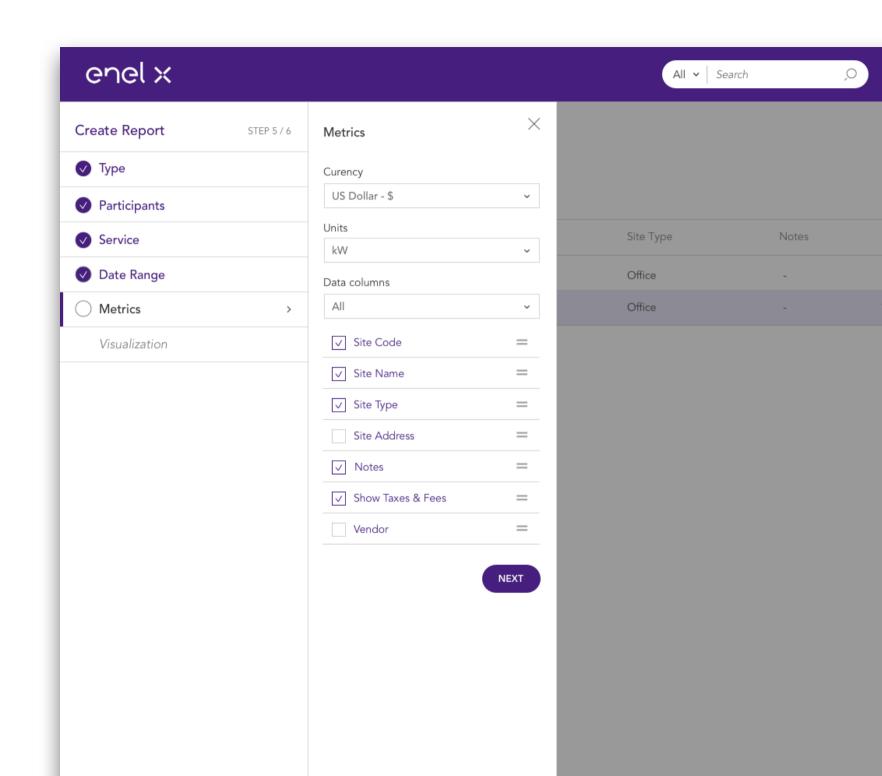
Dashboard



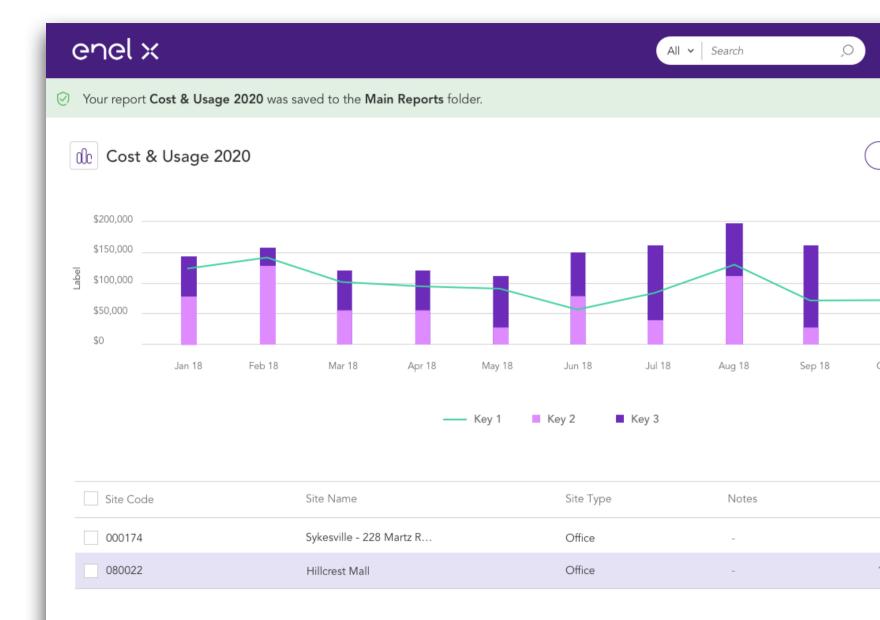
Navigation & User



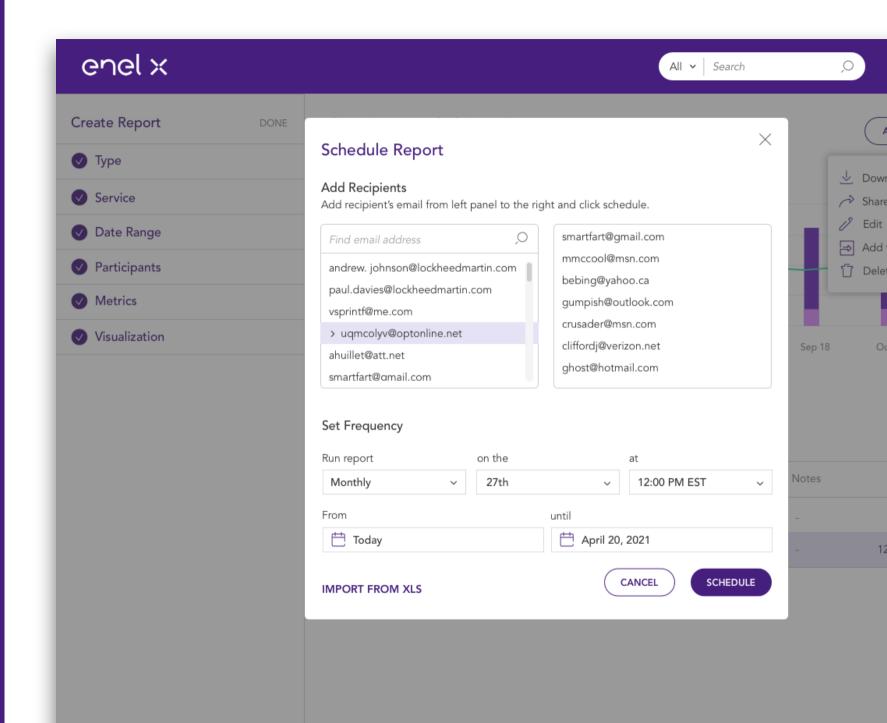
Report Creation Steps



Report Landing



Report Scheduling



Finance Landing

