



Objective

Obimex Dashboard is a web application that gives real-time energy saved information based on the number of energy saving devices used.

Scope

The front-end was developed by VAST based on the design requirements specified by the client. The deployment strategies were handled by VAST as well.

Scope included:

- Web application based Dashboard that played an mp4 video in the background
- REST API calls to fetch data and refresh the Dashboard at configurable time interval of 5 minutes
- Bottom panels that rotated at configurable time interval of 30 seconds
- Full-screen mode support
- Text in Dutch using the look and feel/colour combination/fonts/language/text as provided by the client

Challenges

- Live energy counter - the energy counter scroll speed was based on the differential values between two API calls

Benefits

- Extensible to clients other than Obimex
- Similar Dashboard can be designed in English as well
- Multi-tenant architecture
- Real-time data snapshot
- Support for full-screen mode

Key features

- The legacy Dashboard could not support video display in the background which the new application did.
- Front-end needed to invoke existing REST APIs to fetch the required data
- Configurable value to refresh the screens

Technology

- Front End: React JS, REST APIs