The Content Management System for the Internet of Things

M2MGO

The **next generation** Internet of Things **application platform**

UhligJens

Jens Uhlig

Smart Elevator

Devices: iCEP

- Escalade's iCEP (Intelligent Connected Elevator Panel), is a powerful platform for user interface and system management of elevators, offering numerous applications.

Application Requirement

1. User App

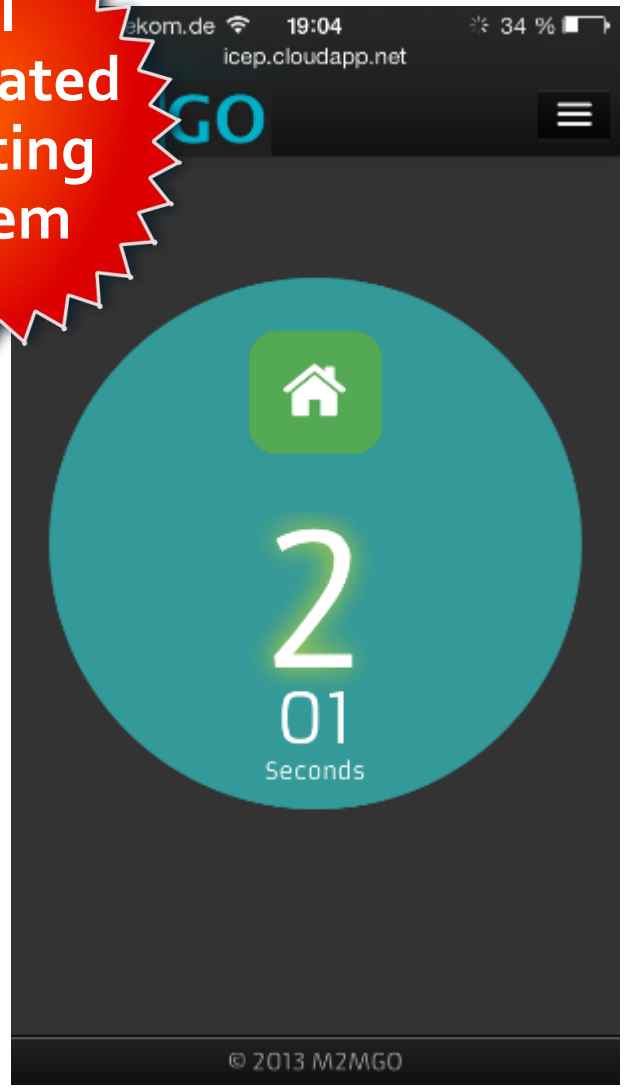
- Call the personal elevator
- Display current floor
- Time to arrival Countdown

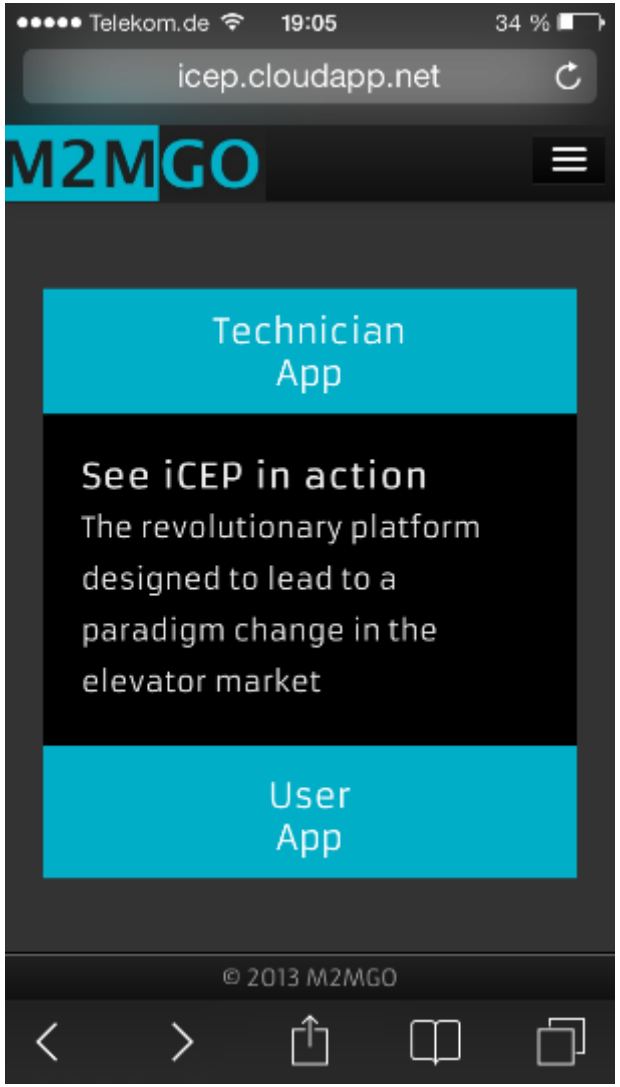
2. Technician App

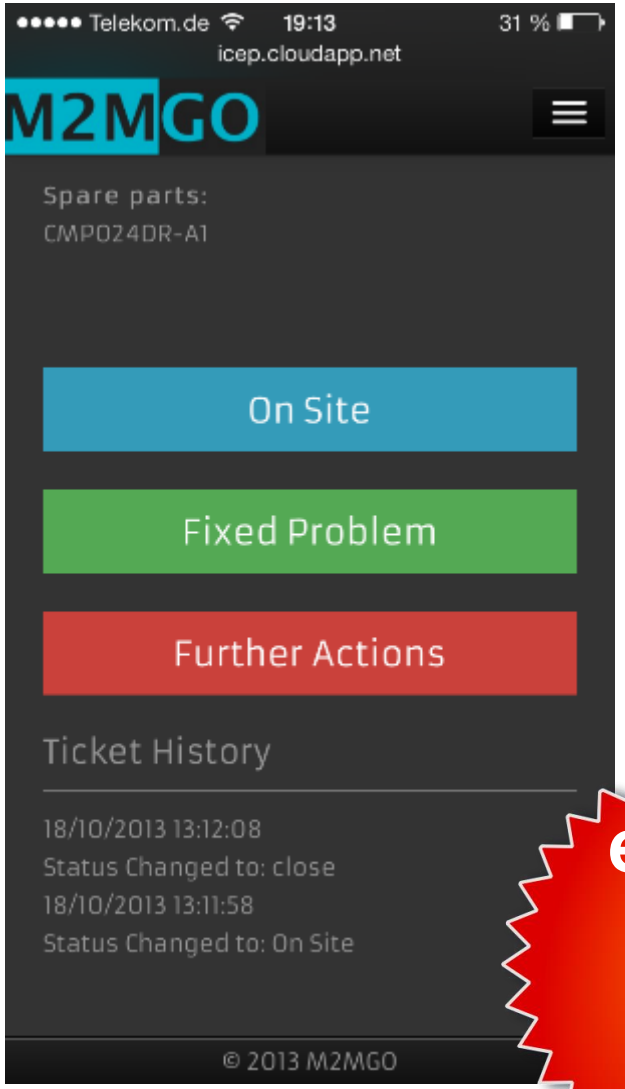
- On Error messages an ticket will be created automatically and assigned to the technician in charge.
- Each technician sees his assigned elevators and their actual status and his tickets.
- A ticketing work flow will guide the technician on site with information to spare parts and a history of the elevators events

Smart Elevator App

incl automated Ticketing System







effort 5 days

What our partner says

ESCALADE
Innovative Solutions

"We are an Israeli startup developing smart and connected IoT solutions for elevators. We are working with M2MGO for over a year in designing very advanced cloud web and mobile solutions based on their flexible and powerful platform. Those include applications unique to the elevator industry. We are very pleased with the professional team and great support from M2MGO."

Guy Gotlieb
VP Marketing & Business Development
Escalade Innovative Solutions Ltd.
http://iescalade.com

Industry 4.0: Remote Control and Optimization

About the Devices:

The state-of-the-art Tixi industry cloud gateways combine all the functions of a fault indication unit and remote control module for any PLC in one affordable device.

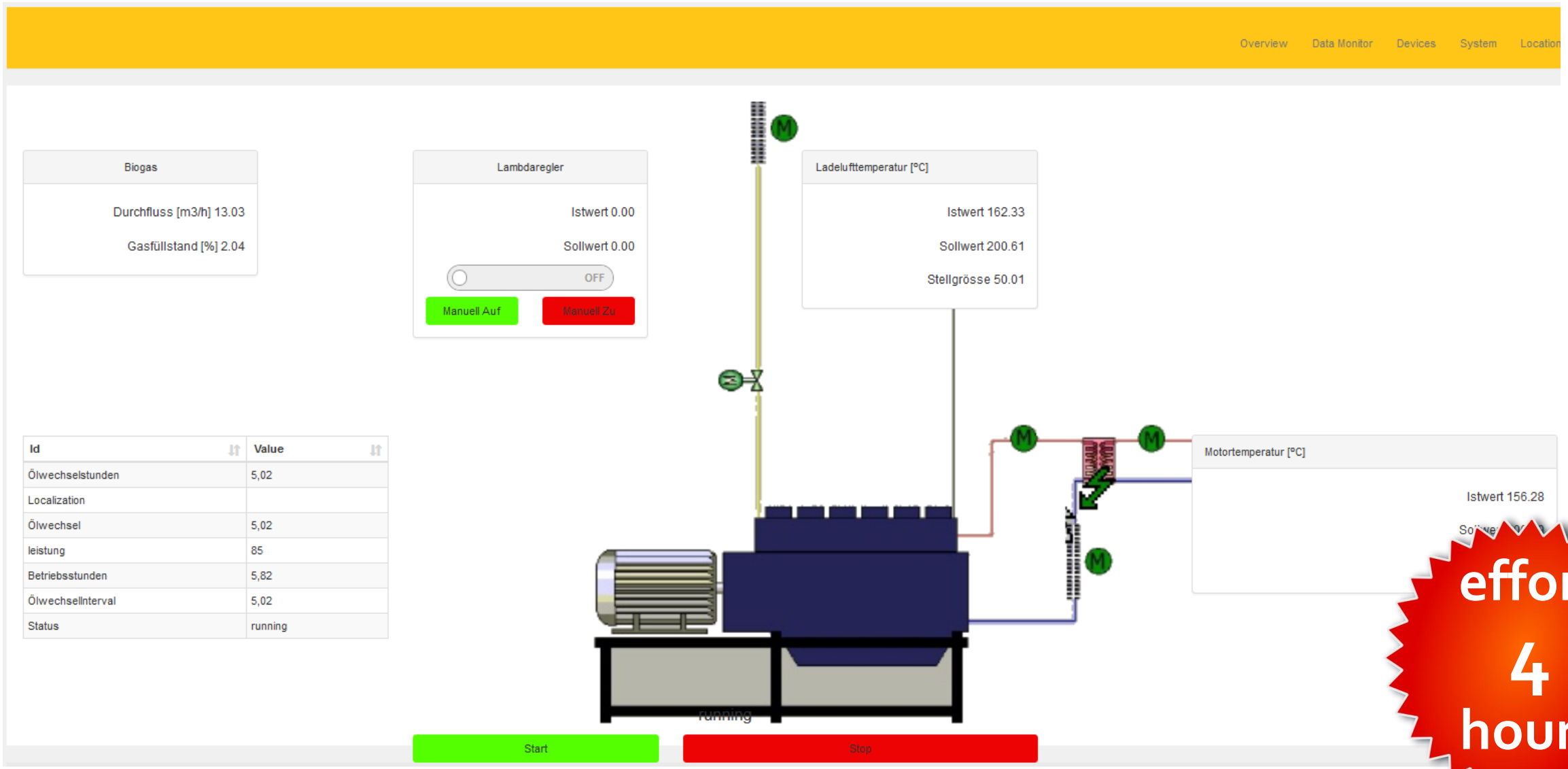
Remote Control of a block heat and power plant

- Real time remote monitoring of the power generator parameters and historical data in charts
- Possibility to upload big log files from the device.
- Switch On/Off the different parts of the device.
- Alarm and notification system

Smart Water Reservoir

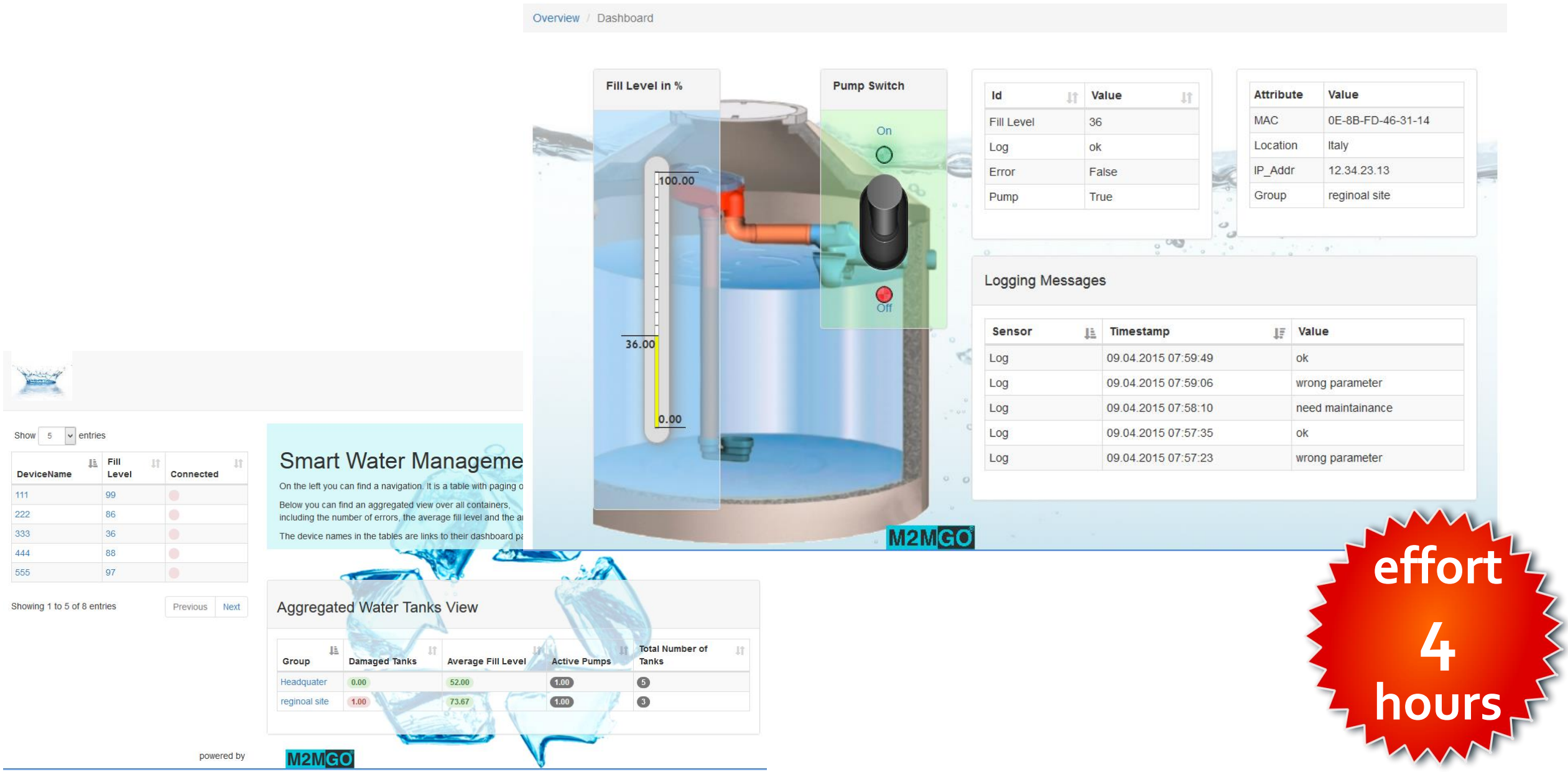
- Monitor and control Water reservoirs with integrated water pumps for a local water supply company

Industry 4.0: block heat and power plant



effort 4 hours

Industry 4.0: Smart Water Management System



Smart Bin Application

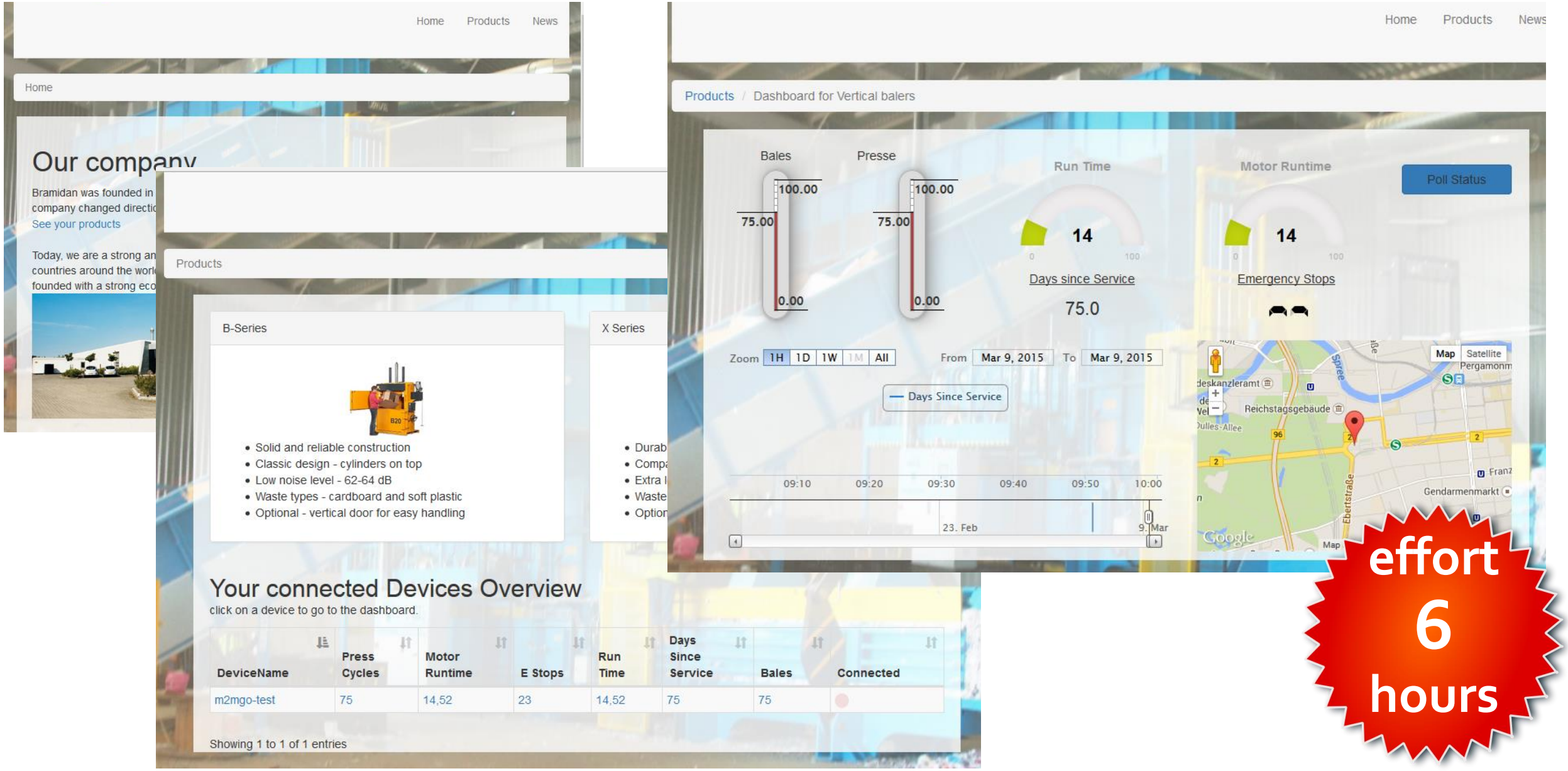
About the Devices:

- The bins are already connected to the internet with a GSM modem. They offer SMS and mail functionalities.
- They need to add additional cloud service to provide a true value proposition to their customers

Application Requirements

- Create a web portal to visualize the data from the assets in different layers
  - Factory, Distributor, Sub-distributor, Key Account, End-user
- Integrate an existing sim card management system
- Get the data from the existing on premise data storage

Smart Bin Application



effort 6 hours

Show Case: Bluewind

M2MGO

BlueWind

Home Country Overview Technical Section Contact

Welcome to BlueWind

Bluewind is a imaginary company, builded to demonstrate the drill down feature from M2MGO.

To start with the demo please go to the Country Overview Page

The Devices

Bluewind has a lot of windmills connected over the world.

The goal of this application is to offer an overview about the actual system state, and give the technician employee enough information so they can act bevore a system failure.

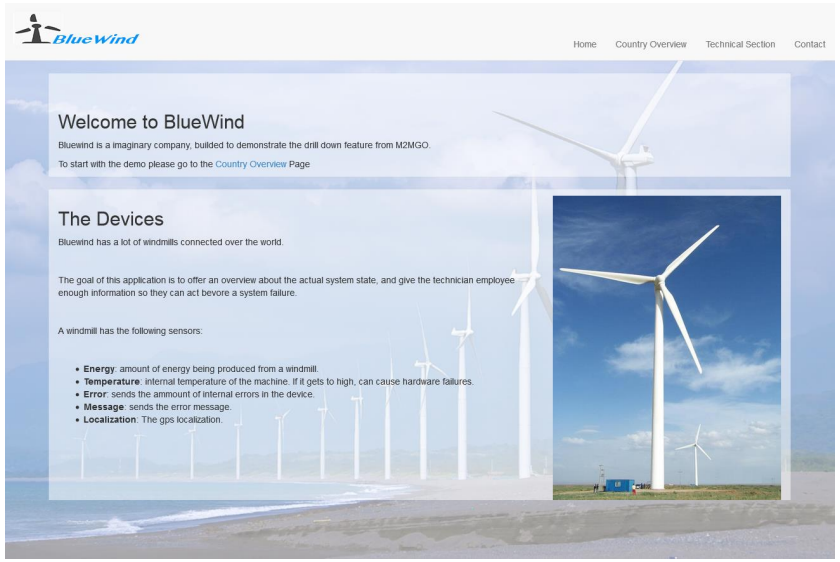
A windmill has the following sensors:

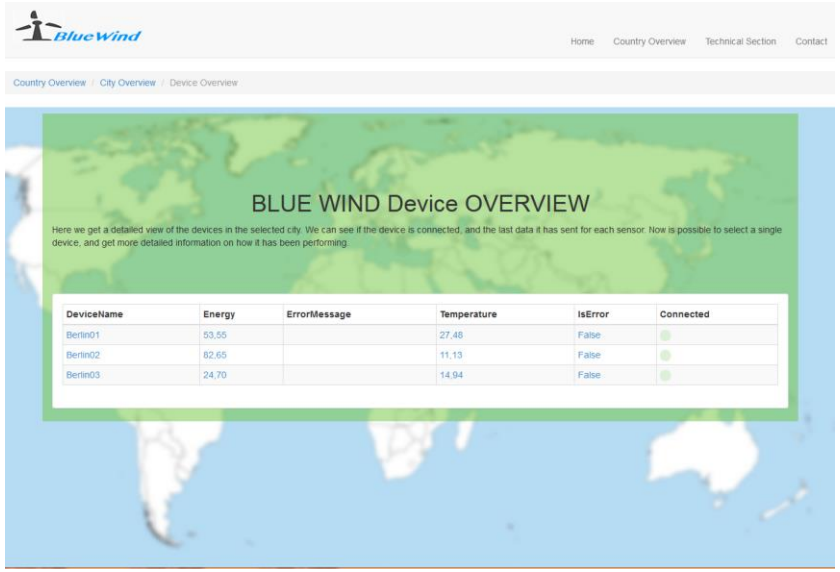
- **Energy**: amount of energy being produced from a windmill.
- **Temperature**: internal temperature of the machine. If it gets to high, can cause hardware failures.
- **Error**: sends the ammount of internal errors in the device.
- **Message**: sends the error message.
- **Localization**: The gps localization.

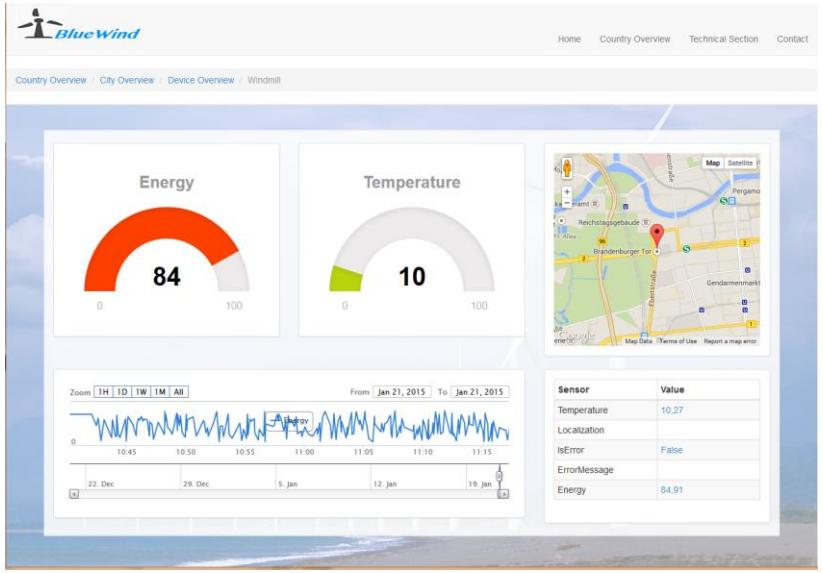
Requirements:

- Monitor energy produced
- Monitor internal temperature
- Over 10000 devices over the world
- Fast overview over all the devices
- On failure, send a technician

Result







effort
2
days

- Landing page with static information
- Grouped views by global region, country and city
- Device Dashboard with historical data
- Remote configuration capabilities

Smart Bin Application

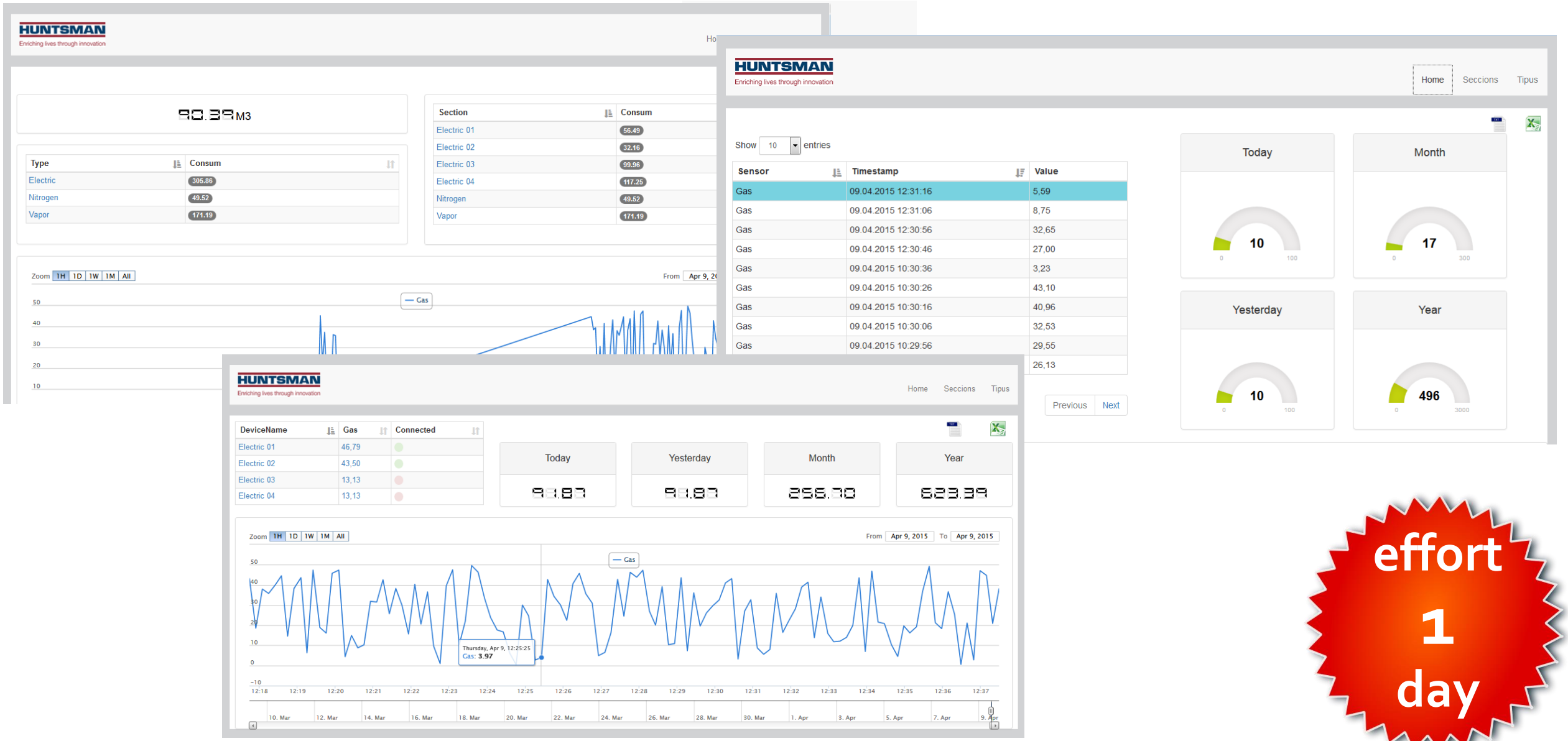
About the Devices:

- Hunstman is a petrochemical company that has a lot of industrial ovens and other industrial machines.
- Right now they don't know how many resources this machines use.

Application Requirements

- The consume of all the machines has to be monitored.
- On each machine an application will be displayed, letting the users know what is the current consume, and how was in the last days.
- Data needs also to be aggregated and displayed depending on the machine type and on the it's section.
- The data collected needs to be exported so it can be integrated into the ERP of the company .

Industry 4.0: Machine resource usage



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1
day

Show Case: GPIO – GPS – Gateway

M2MGO

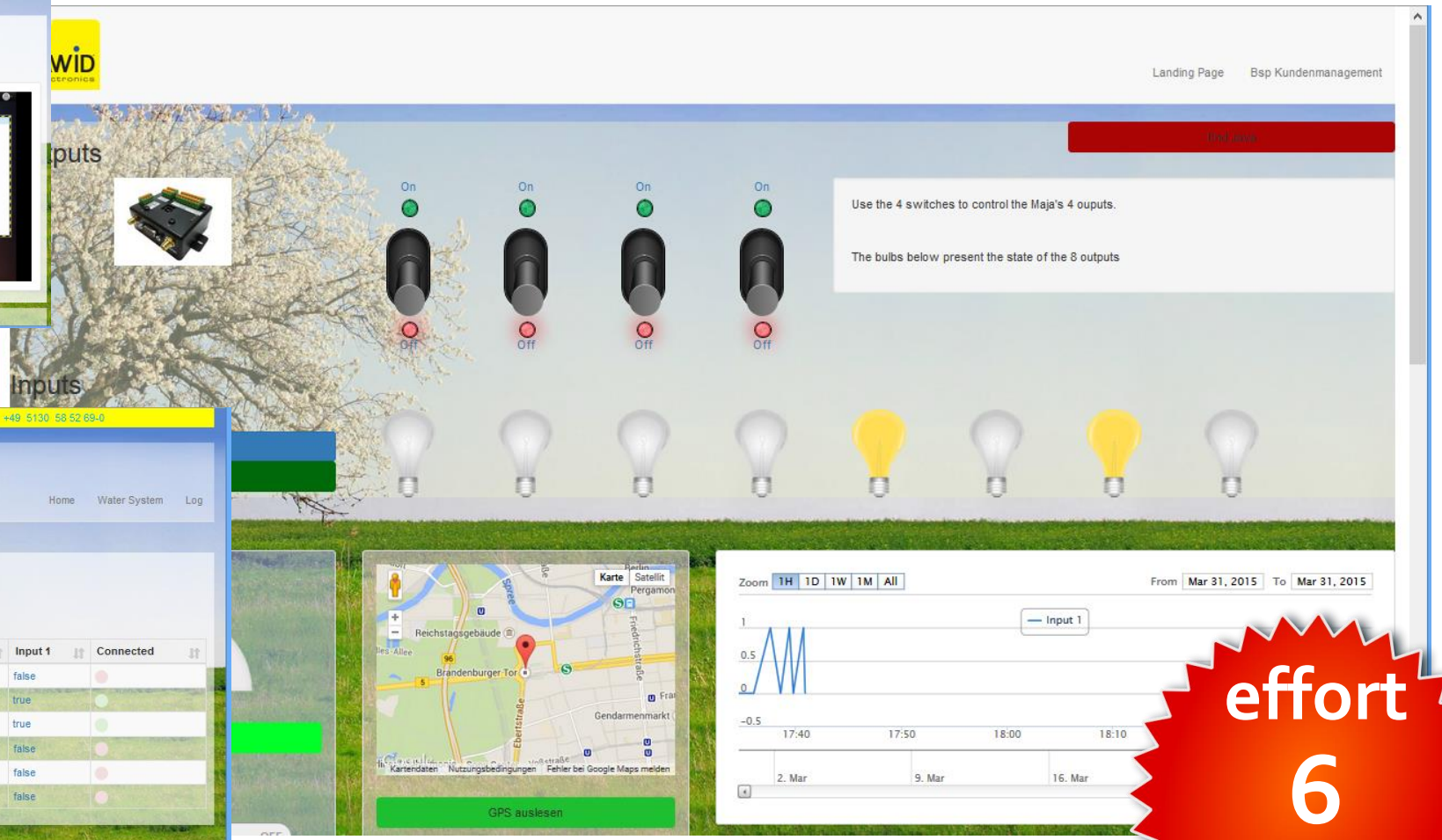
About the Devices:

- YAWiD is wireless gateway manufacturer with a integrated Java VM and different GPIO and GPS configurations
- With P.U.R.E and M.A.J.A can be used to leverage brown field assets (devices currently not connected to the internet) with value added services in the IoT realm

Application Requirements

- This application is a demonstrator board for exhibitions.
- The application displays the capabilities of the devices (Input/Outputs/Temperature/GPS).
- The application allows to set the Outputs of the device.
- The application must allow the communication between different devices.

Show Case: GPIO – GPS – Gateway



effort 6 hours

Thank you!

Feel free to get in touch with me.
It would be a pleasure to exchange thoughts!

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