The Content Management System for the Internet of Things

M2MGO
The next generation Internet of Things application platform
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 workflow 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

See iCEP in action
The revolutionary platform designed to lead to a paradigm change in the elevator market

User App

Technician App

On Site

Fixed Problem

Further Actions

Ticket History
18/10/2013 13:12:08
Status Changed to: close
18/10/2013 13:11:58
Status Changed to: On Site

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effort 5 days
“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

Overview / Dashboard

Logging Messages

Smart Water Management

Aggregated Water Tanks View

powered by M2MGO
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
Our company

Bramstan was founded in the USA and moved to Germany in 2010, where it changed its name to Bramstan. Today, we are a strong and expanding company operating in over 15 countries around the world. Bramstan was founded with a strong social commitment.

Products

B-Series
- Solid and reliable construction
- Classic design - cylinders on top
- Low noise level - 62-64 dB
- Various types - cardboard and soft plastic
- Optional - vertical door for easy handling

X Series
- Durability
- Commercial design
- Extra storage
- Waste reduction
- Optional - vertical door for easy handling

Your connected Devices Overview

click on a device to go to the dashboard.

<table>
<thead>
<tr>
<th>DeviceName</th>
<th>Press Cycles</th>
<th>Motor Runtime</th>
<th>E Stops</th>
<th>Run Time</th>
<th>Days Since Service</th>
<th>Days Since Service</th>
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</tbody>
</table>

Showing 1 to 1 of 1 entries

Dashboard for Vertical balers

- Bales
- Presser
- Run Time
- Motor Runtime

Days since Service: 75.0

Effort: 6 hours
Show Case: Bluewind

Welcome to BlueWind
BlueWind is an imaginary company, builded to demonstrate the drill down feature from M2MGO.
To start with the demo please go to the Country Overview Page

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

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 enough information so they can act before 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 too high, can cause hardware failures.
- **Errors**: sends the amount of internal errors in the device.
- **Message**: sends the error message.
- **Localization**: The gps localization.
Result

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

effort 1 day
Show Case: GPIO – GPS – Gateway

About the Devices:
• YAWiD is wireless gateway manufacturer with an 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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M2MGO
simply connect everything

Uhligjens

Jens Uhlig