

Home Automation



Customer: Jurgen de Meulenaere,
www.mulliesoft.com

Year of implementation: 2013
Country: Belgium

...HOME AUTOMATION
SHOULD TRANSLATE
INTO A USER-FRIENDLY
EXPERIENCE...

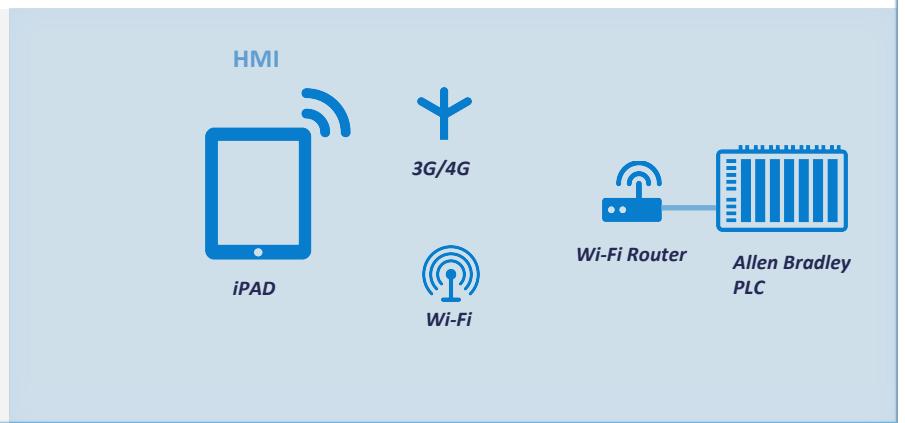
- The house is controlled with the iPad.
- Using Internet connection, the house can be remotely controlled from anywhere in the world.
- With iPad/iPhone or Android smart devices costs are getting lower so that an average homeowner can afford a fully automated household.

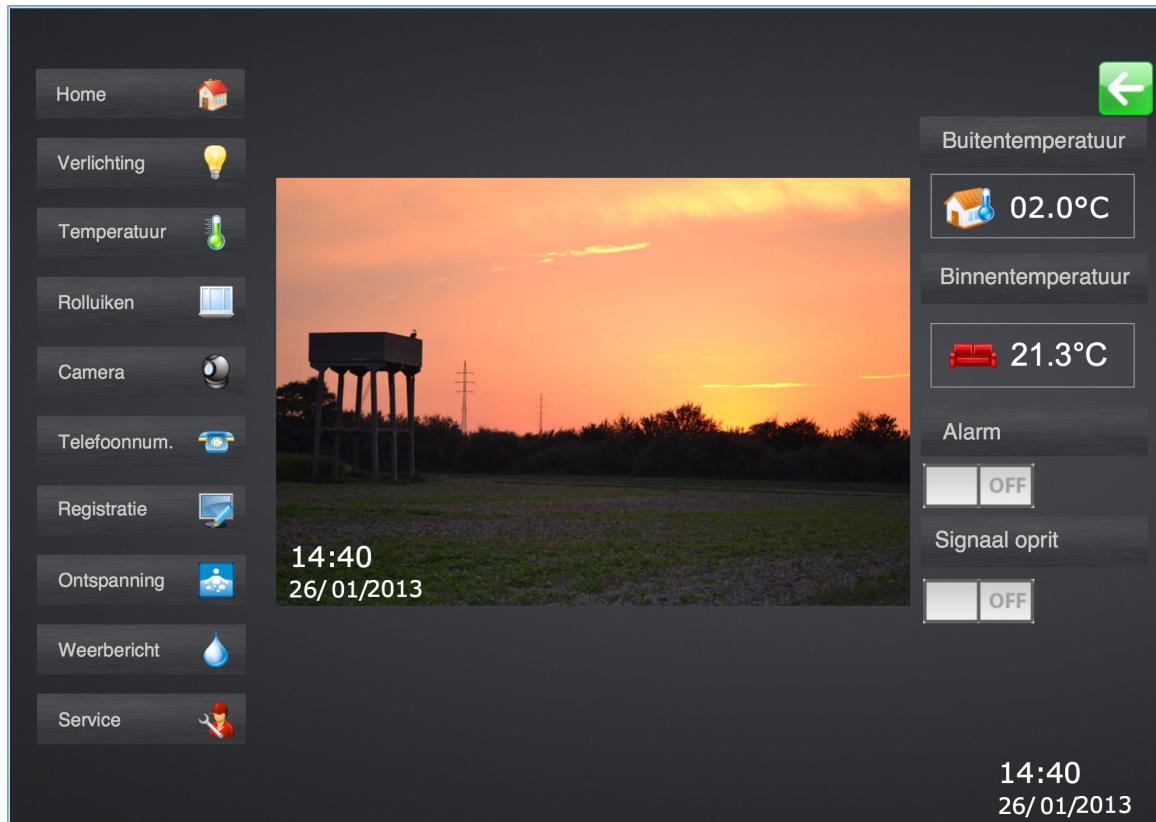
Private Home Automation Project with mySCADA Mobile

mySCADA Mobile is a modern automation system built on open standards that can be deployed on all mobile smart devices of your choice – both iOS and Android. mySCADA Mobile has embedded communication drivers and connects directly to your home automation controller using either 3G/4G network or local Wi-Fi network. mySCADA Mobile is available through the iTunes Store for iOS devices or Google Store for Android. The mySCADA Mobile Lite version limited to 10 screens is a perfect and affordable solution for smaller automation project such as home automation.

Jurgen de Meulenaere, the business manager of Mulliesoft Company from Belgium, uses mySCADA Mobile Lite app on his iPad to control his private house - lighting, heating, ventilation, pool, sauna and Jacuzzi temperature, humidity, PH, door locks ad other appliances, window coverings, IP Camera and security system to monitor and control his house even when being away.

He created the HMI visualizations shown in the following screenshots in mySCADA Editor downloaded from mySCADA.org website for free.





HOME

This screen shows

- The picture from the IP Camera outside of the house.
- The actual temperature inside and outside of the house.
- You can switch on the security alarm if needed.
- On the left side of the screen you can choose all other screens.

The screen shows a list of lights with their current status. The lights are grouped into two columns. The first column includes Master Bedroom, Slaapkamer Sarah, Kleine slaapkamer, Gang Boven, Gang beneden, Keuken, Luifel keuken, Livingtafel, Bureau, and Alles uit in living. The second column includes Salontafel, Barkast, Luifel vooraan huis, Luifel achteraan huis, Toilet, Badkamer, Tuinverlichting, Oprit, and Zolder. The Bureau light is currently ON. The time at the bottom is 08:18 on 27/01/2013.

Light	Status	Light	Status
Master Bedroom	OFF	Salontafel	OFF
Slaapkamer Sarah	OFF	Barkast	OFF
Kleine slaapkamer	OFF	Luifel vooraan huis	OFF
Gang Boven	OFF	Luifel achteraan huis	OFF
Gang beneden	OFF	Toilet	OFF
Keuken	OFF	Badkamer	OFF
Luifel keuken	OFF	Tuinverlichting	OFF
Livingtafel	OFF	Oprit	OFF
Bureau	ON	Zolder	OFF
Alles uit in living			

LIGHTING

This screen shows the actual status of all lights in the house. The lights can be switched off all in once.

temperatuur

Menu ◀ ▶ 🔒 0/1 Alarms Status

Binnen temperatuur
21.2°C

Buiten temperatuur
01.9°C

Systeem Status

Setpoint temp. dag
20.5°C

Setpoint temp. Nacht
10°C

21.2°C

14:40
26/01/2013

Left sidebar menu:

- Home
- Verlichting
- Temperatuur
- Rolluiken
- Camera
- Telefoonnum.
- Registratie
- Ontspanning
- Weerbericht
- Service

TEMPERATURE

This screen enables to control the temperature in the house and outside.

- The user can adjust the room-temperature setpoints to control the heating at day and night.
- In case of heating system failure the icons will flash.

rolluik

Menu ◀ ▶ 🔒 0/1 Alarms Status

Sturing door tijdsinstelling:

- Rolluiken gaan omhoog om : 08 u:00 m
- Rolluiken gaan omlaag om : 19 u:07 m

Sturing via Duisternis:

- Gisteren rolluiken omlaag om : 21 u:08 m
- Duisternismeting : 42470 (<33976 + 60minuten = rolluiken neer)
- Rolluiken gaan neer over: 00060 minuten

Instelling sturing:

Tijd	Duisternis
<input type="button" value="OFF"/>	<input type="button" value="ON"/>
<input type="button" value="ON"/>	<input type="button" value="OFF"/>

14:40
26/01/2013

Left sidebar menu:

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WINDOW SHUTTERS

In this screen you control the automatic window shutters.

- You can manually activate the shutters on the touchscreen to roll up or down.
- You set either the time or the light intensity when the shutters automatic roll up and down.

webcam

0/1 Alarms Status

WEB CAMERA

In this screen is the actual picture from Axis web camera. You can also turn on the lights if it's dark.

Home Verlichting Temperatuur Rolluiken Camera Telefoonnum. Registratie Ontspanning Weerbericht Service

OFF Oprit OFF Luifel vooraan huis

14:40
26/01/2013

telefoon

0/1 Alarms Status

PHONE NUMBERS

In this screen you see important phone numbers like police, ambulance, doctor...

You can also add your individual important phone numbers such as favorite restaurants, family...

Noodnummers :

Brandweer en ambulance : 100
Politie : 101
Algemeen noodnummer: 112
Dokter Bruyneel : 051 30 52 81
Dokter Lambrecht : 051 48 87 03
Dokter van wacht : 051 31 22 22
Apotheek van wacht : 0900 10 500

Home Verlichting Temperatuur Rolluiken Camera Telefoonnum. Registratie Ontspanning Weerbericht Service

14:40
26/01/2013

register

0/1 Alarms Status

LIGHTS STATISTICS

Here is a list of all lights in the house and how long did it light in total.

209.5 u	Master Bedroom	168.2 u	Salontafel
84.0 u	Slaapkamer Sarah	49.9 u	Barkast
15.0 u	Kleine slaapkamer	38.5 u	Luifel vooraan huis
96.5 u	Gang Boven	128.2 u	Luifel achteraan huis
165.8 u	Gang beneden	170.7 u	Toilet
571.0 u	Keuken	235.1 u	Badkamer
111.6 u	Luifel keuken	388.9 u	Tuinverlichting
309.7 u	Livingtafel	300.8 u	Oprit
1199.2 u	Bureau	20.8 u	Zolder

14:40
26/01/2013

jacuzzi

08:19 Opladen uit Status

WATER STATISTICS

On this screen you can see

- Temperature of the pool, spa and sauna.
- Temperature of the SPA and water PH indication.
- Sauna temperature and humidity.

You can also open and close the pool and turn on the led-lighting.

Temperatuur Jacuzzi	38.5°C	Temperatuur zwembad
PH-waarde		Zwembad open/dicht
	07.6	
Temperatuur sauna	40.0°C	LED-verlichting
Vochtigheid		
	07.6	

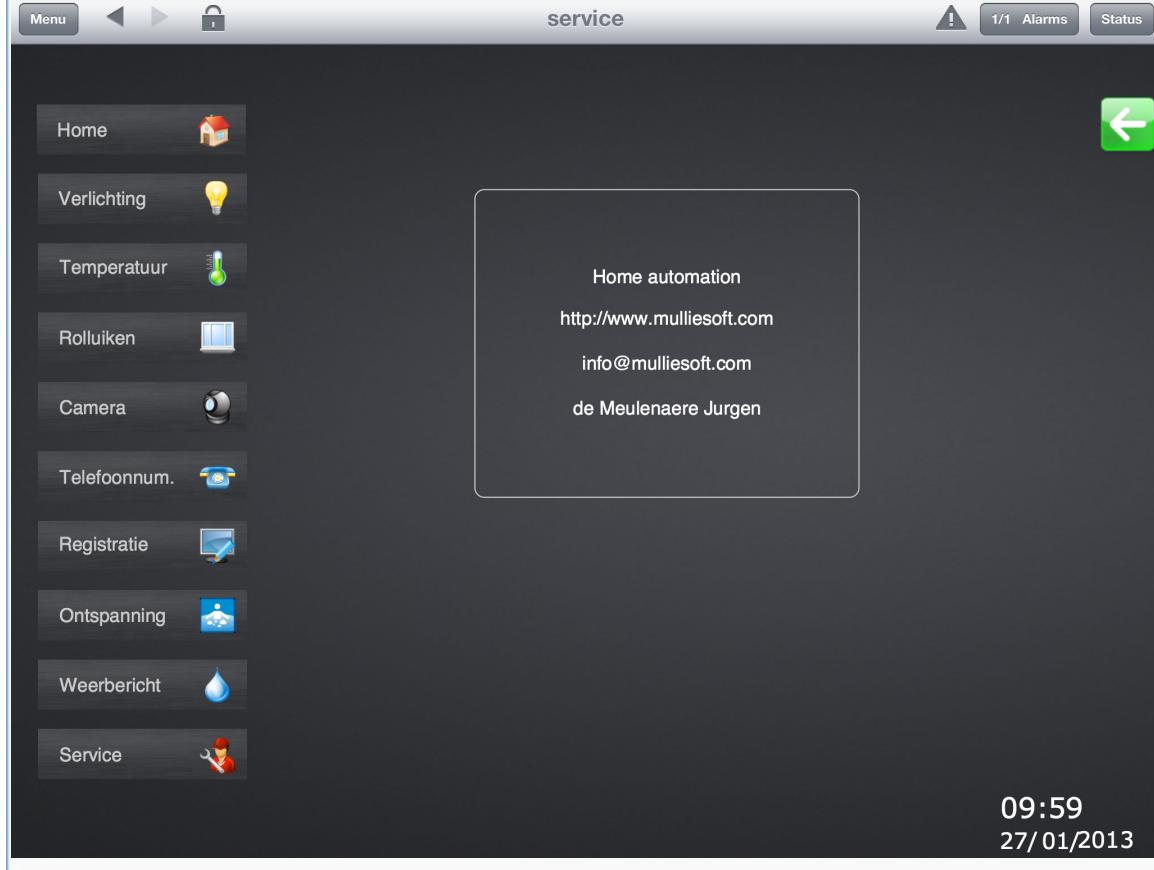
08:19
27/01/2013

This reference sheet are made available to the client for internal use only, unless mySCADA Technologies agrees to it being passed on to third parties.



WEATHER

On this screen is shown the weather map of Belgium fully integrated into mySCADA view.



PERSONAL