

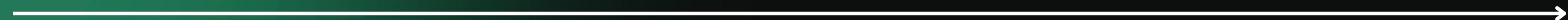


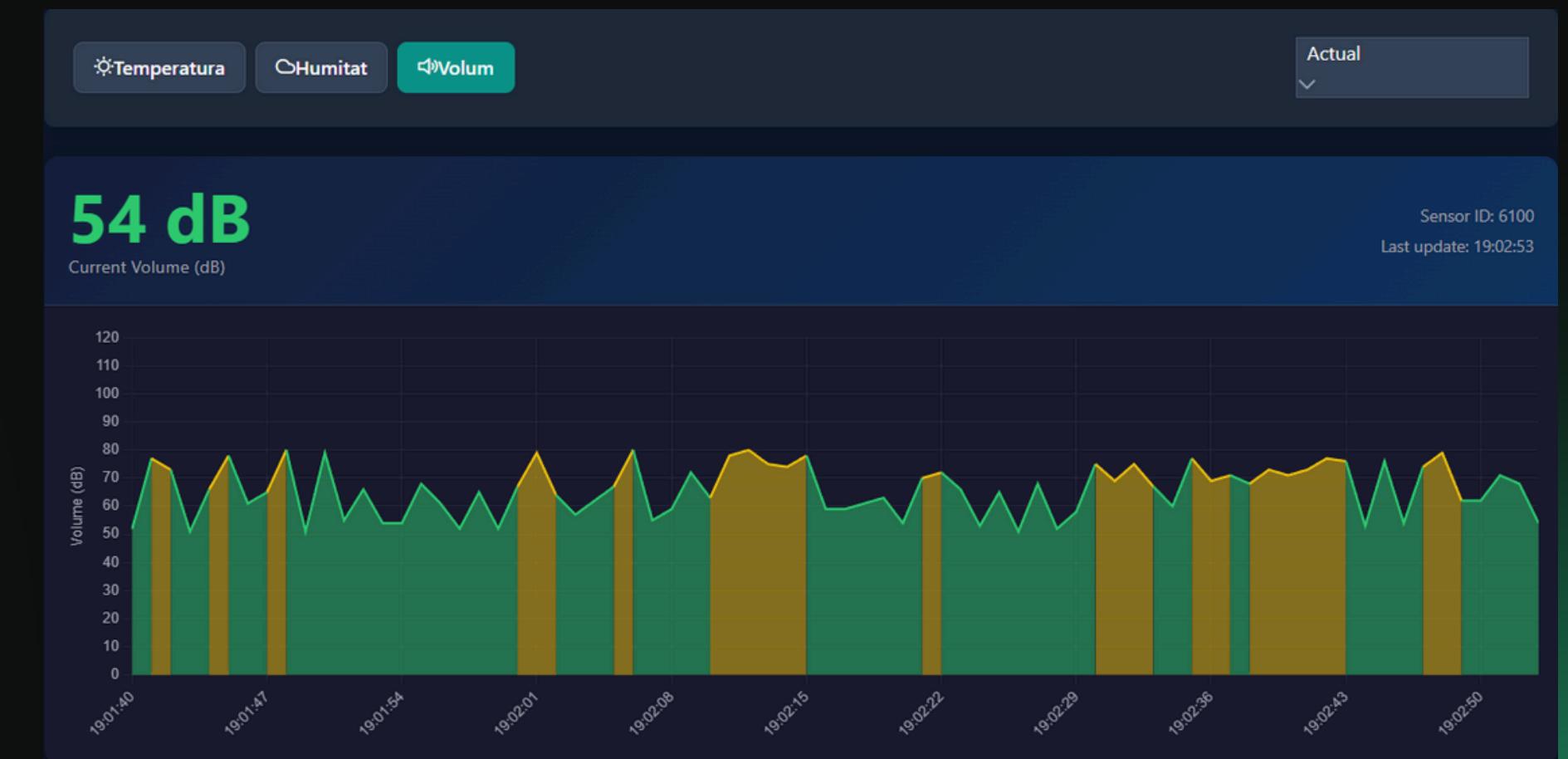
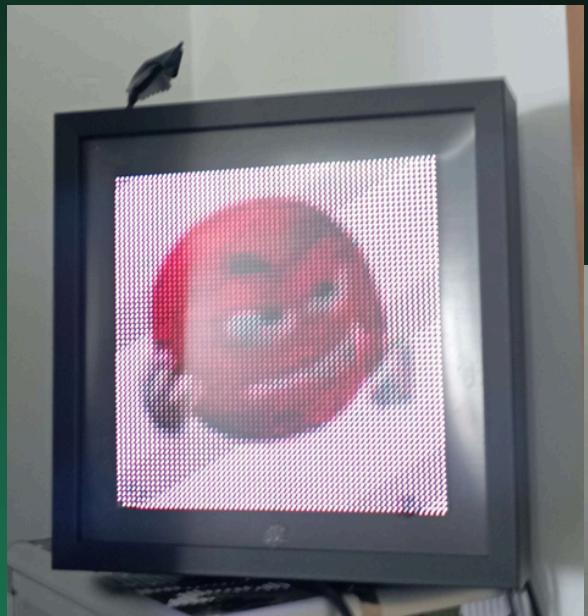
# Acubox

- Fabián Roldán, Martí Clavé, Xavier Mateu i Climent Fernández  
2 DAM

**Start Slide**

[dev.acubox.cat](http://dev.acubox.cat)

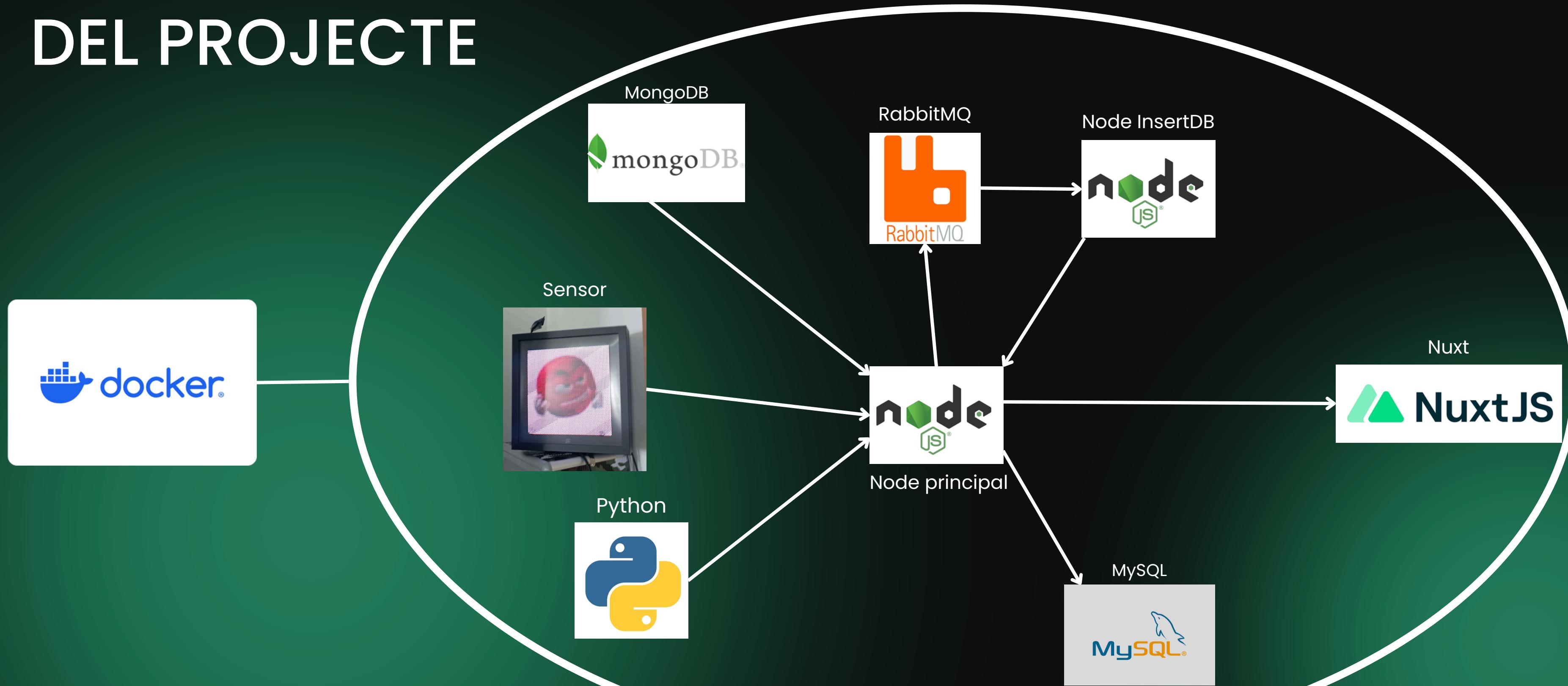




# ABSTRACT DEL PROJECTE

This project focuses on a smart classroom monitoring system implemented at Institut Pedralbes. Sensors installed in the classrooms collect real-time data on temperature, humidity, and sound volume. All this information is shown on a web page through simple, interactive charts. Depending on the noise in the room, the system also displays real-time images that change based on the sound level. This gives a quick visual idea of what's happening in each classroom. The goal is to make it easier for teachers and staff to keep track of classroom environments.

# ESTRUCTURA DEL PROJECTE



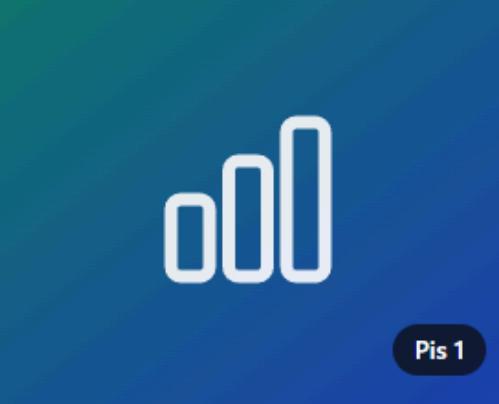
Menú ▾

# Monitorització d'Aules

Institut Pedralbes • Visualització de totes les aules

Cercar aula...

CFGM  x Netjar



Pis 1

**1 SMX A1**

CFGM

INFO 1

Temp. --°C   Humitat --%   Volum --dB

[Veure detalls >](#)



Pis 1

**1 SMX A2**

CFGM

INFO 2

Temp. --°C   Humitat --%   Volum --dB

[Veure detalls >](#)



Pis 1

**1 SMX A3**

CFGM

INFO 3

Temp. --°C   Humitat --%   Volum --dB

[Veure detalls >](#)



Pis 1

**1 SMX A4**

CFGM

INFO 4

Temp. 24.0°C   Humitat 59.0%   Volum 50dB

[Veure detalls >](#)

Temperatura

Humitat

Volum

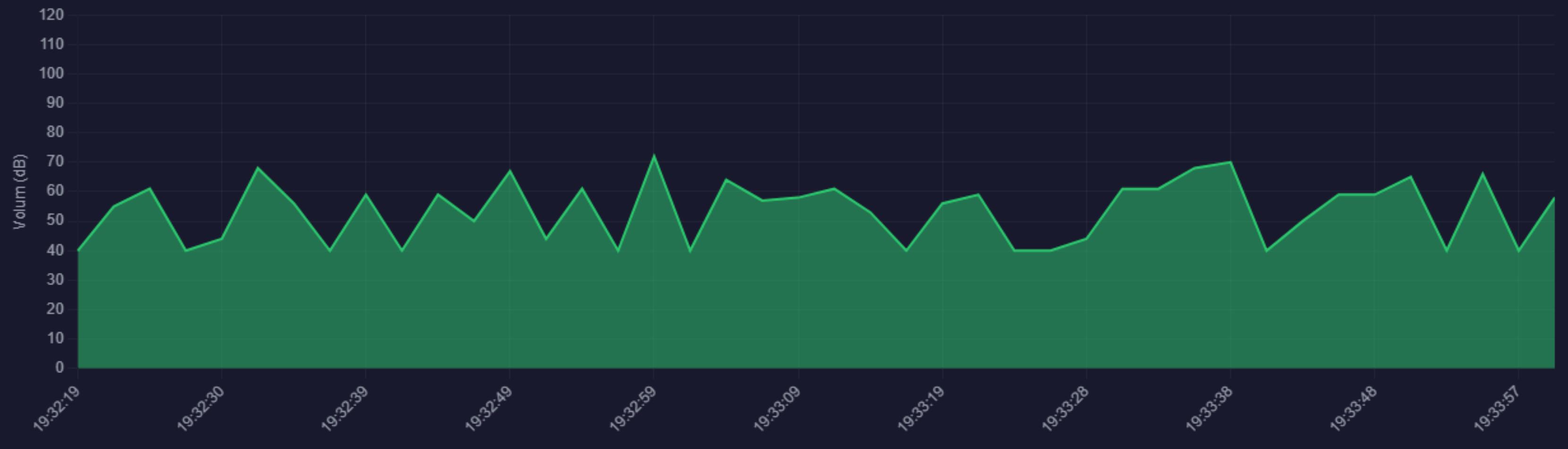
Actual

# 58 dB

Volum actual (dB)

ID del sensor: 6245

Última actualització: 19:33:59



The screenshot shows a dark-themed web interface for managing sensors. At the top, there is a header bar with a logo on the left and a "Menú" button on the right. Below the header, a navigation bar contains four items: "Sensors Actius" (highlighted in teal), "Sensors Pends", "Sensors Bannejats", and "Configurar Sensors". A purple button labeled "Configurar Aules" with a gear icon is positioned below the navigation bar. The main content area displays three sensor status cards:

- sensor6**  
1ESO-A      ● Actiu
- Sensor 3c:8a:1f:50:5c:34**  
2 SMX A3      ● Actiu
- Sensor 20:43:a8:65:9c:30**  
1 SMX A4      ● Actiu

## Imatges del Sensor

Imatge Logo



<https://dev.acubox.cat/back/api/fileSensor/images/logo.jpg>

Canvia

Nom requerit: logo.jpg

Imatge Normal



<https://dev.acubox.cat/back/api/fileSensor/images/normal.jpg>

Canvia

Nom requerit: normal.jpg

Imatge Bona



<https://dev.acubox.cat/back/api/fileSensor/images/good.jpg>

Canvia

Nom requerit: good.jpg

Imatge Enfadada



<https://dev.acubox.cat/back/api/fileSensor/images/angry.jpg>

Canvia

Nom requerit: angry.jpg

Imatge Connectat



<https://dev.acubox.cat/back/api/fileSensor/images/connected.jpg>

Canvia

Nom requerit: connected.jpg

Imatge Desconnectat



<https://dev.acubox.cat/back/api/fileSensor/images/disconnected.jpg>

Canvia

## Selecciona una Planta

PLANTA BAJA

PLANTA 1

PLANTA 2

PLANTA 3

PLANTA SUBTERRANEA

Afegir Sensor

Tipus de dada:

Temperatura

