



BellePouBelle

PLD SMART - H4212

INSA Lyon

04/05/2018

“



*Eugène-René Poubelle 1831-1907
(born in Caen, France) was the
administrator who made the use of
the trash can at paris and after
whom the dustbin is called “poubelle”*

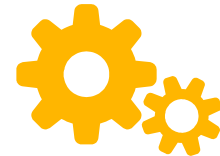


Our Solution

- Here you have a list of items
- And some text
- But remember not to overload your slides with content

Your audience will listen to you or read the content, but won't do both.





Our process is easy



Mobile

Lorem ipsum dolor sit amet,
consectetur adipiscing.



Sit Amet

Lorem ipsum dolor sit amet,
consectetur adipiscing.



Donec Ultrices

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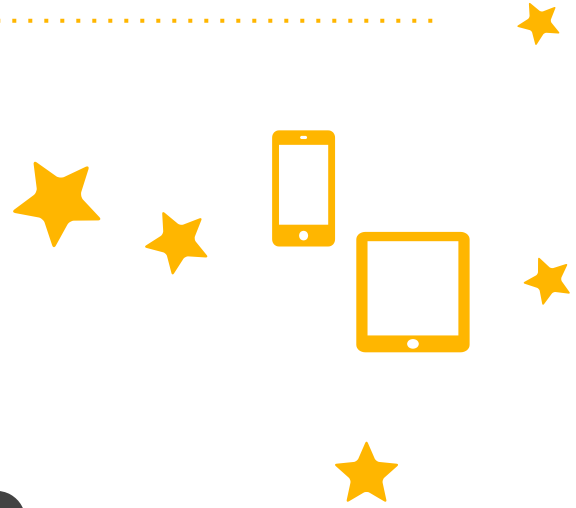


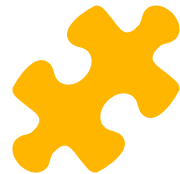
Litora

Lorem ipsum dolor sit amet,
consectetur adipiscing.

Mobile Application

The collaborative application





Functionalities



Geolocation sorting bins with distinction of the type of tray according to the color



Direction to the bin selected by the citizen



launch an alert in case of problem (add a message, select an image, scan Qr Code to specify the trash).

Tools



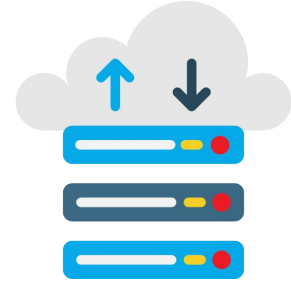
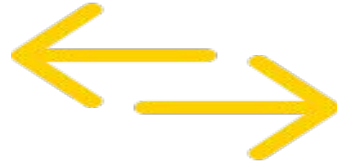
Demonstration

Let's start our presentation!

Smart Trash



Smart trash can

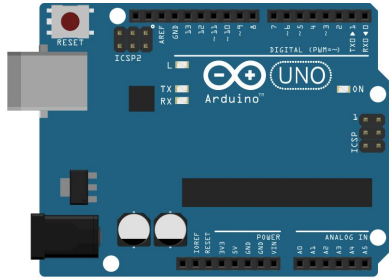
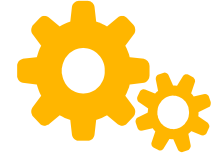


- Identification : QR code
- Localisation sensor
- Filling level sensor
- Alimentation : Solar energie.

- Secure connection

- Web server

Smart trash can



Arduino Wifi shield



CNY70 sensor



Dashboard

Bring the attention of your audience over a key concept using icons or illustrations



For the manager

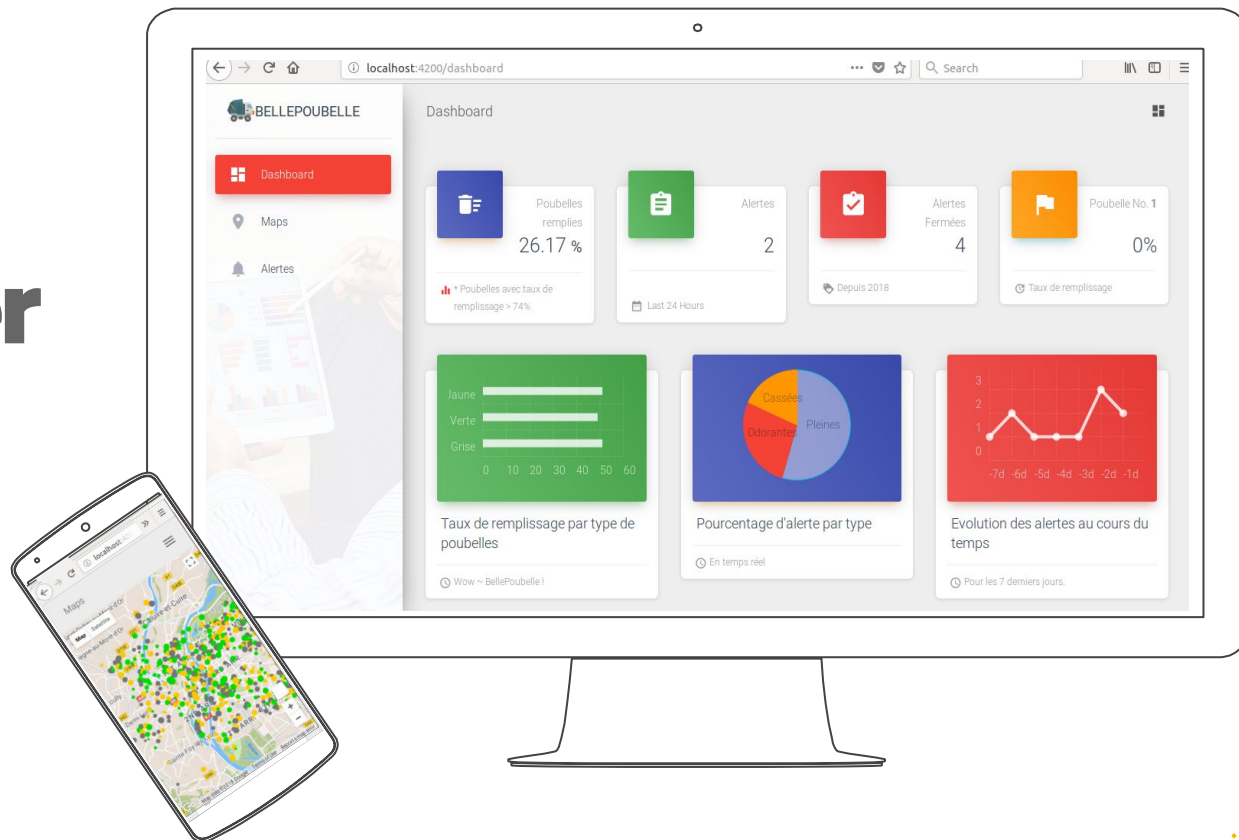
A smart dashboard:

Real-time

Brief

Complete

Graphic



Tools



Demonstration

Let's start our presentation!

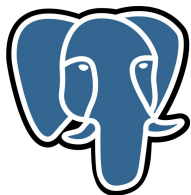
Back end Server



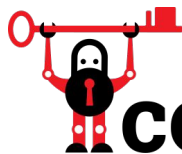
Arch Linux with

NGINX

High Performance Load Balancer, Web Server & Reverse Proxy.



The world's most advanced open source database.



certbot

Automatically enable HTTPS with EFF's Certbot, deploying Let's Encrypt certificates.



API rate limiting and network intrusion detection to detect emerging threats.



WildFly

Flexible, lightweight, managed application runtime for our amazing microservices.



OpenSSH for remote login to eliminate eavesdropping and connection hijacking.



API & Microservice



**What's we are
proud about?**



Perspectives

That's a lot of money





Thanks!

Any questions?