



Edificio in legno a basso
impatto ambientale
integrato con fonti
rinnovabili



ePop-zeb



Unione europea



REGIONE
LAZIO





smart green safe solutions

GOOD-UP

DOMOTICA SMART



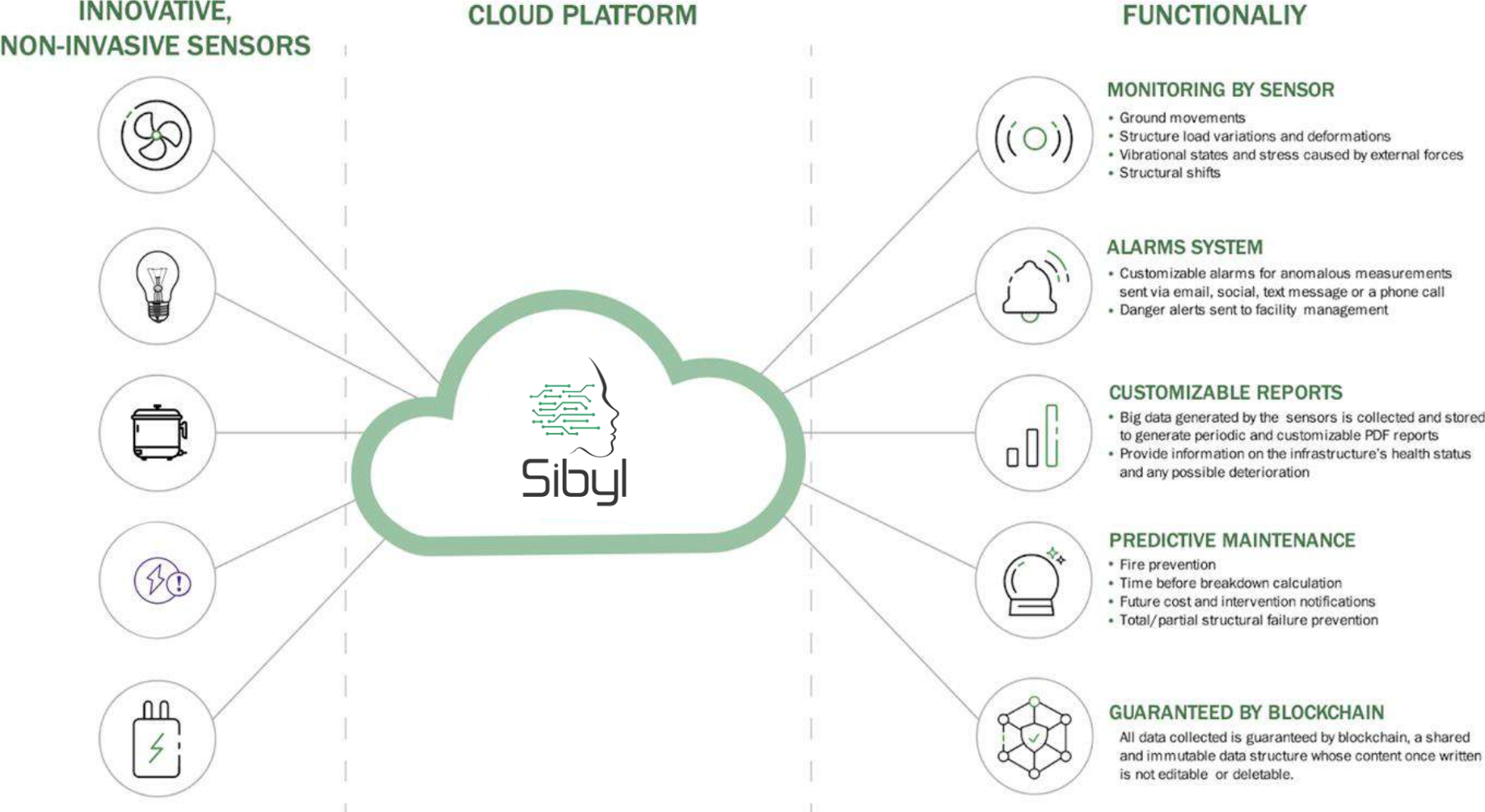
- Hardware Open Source in continuo miglioramento consente l'inserimento progressivo e modulare di nuove tecnologie
- Sistemi di domotica efficienti con l'ausilio di sensori negli ambienti domestici e all'esterno
- Monitoraggio continuo della struttura e delle sue prestazioni per consentire la manutenzione programmata
- Monitoraggio di apparecchiature e consumi



Architettura piattaforma



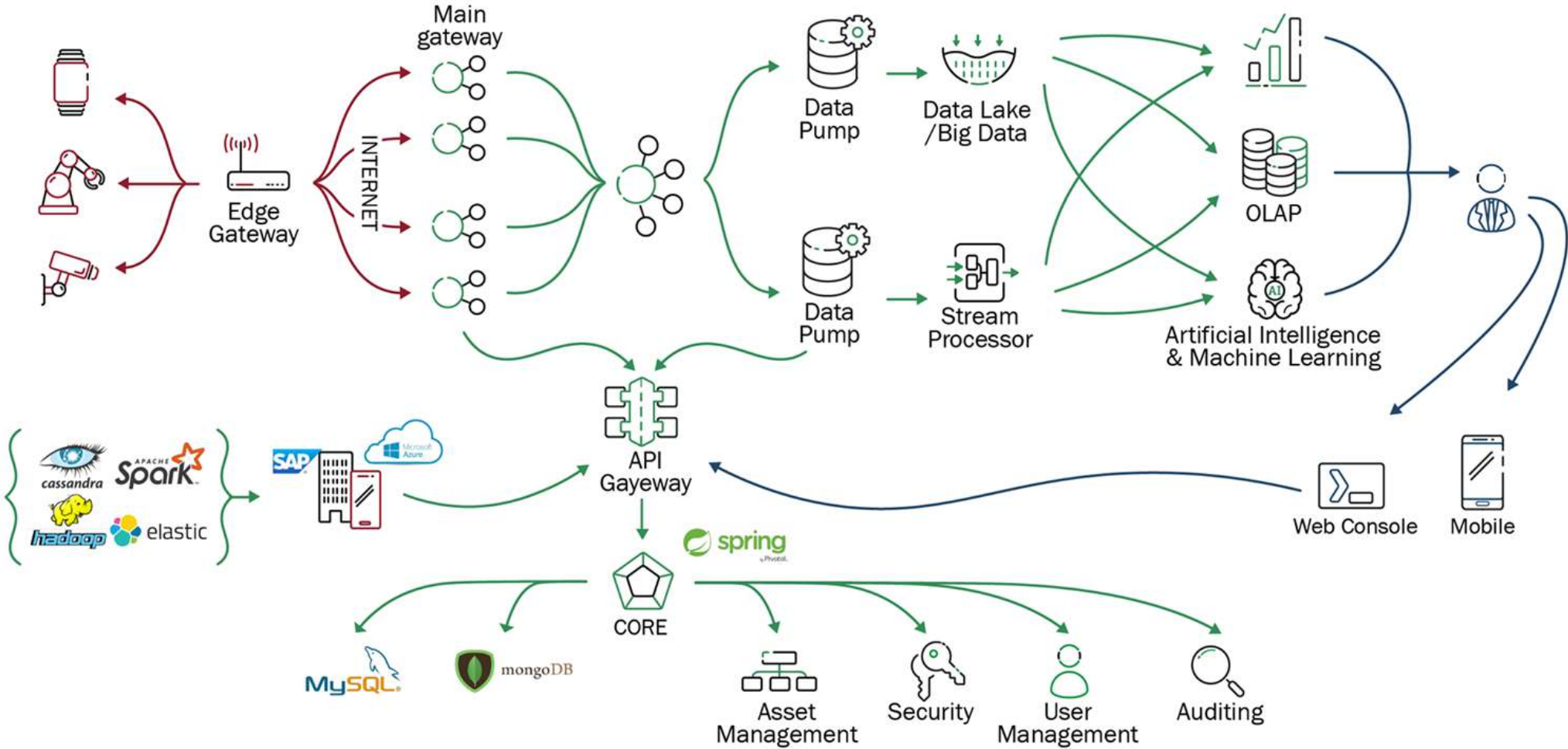
Architecture of the IoT platform used for ePopZeb



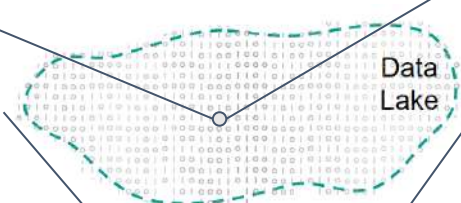
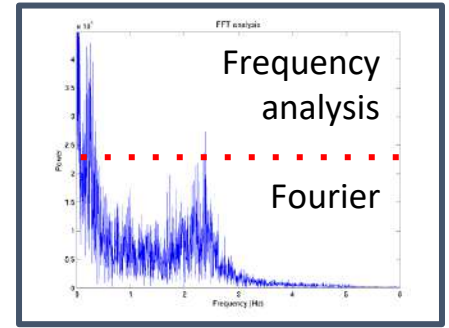
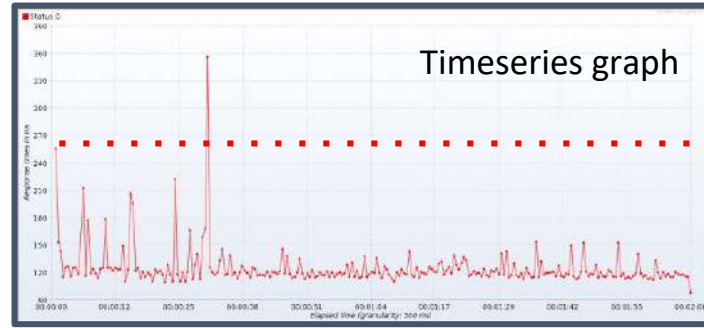
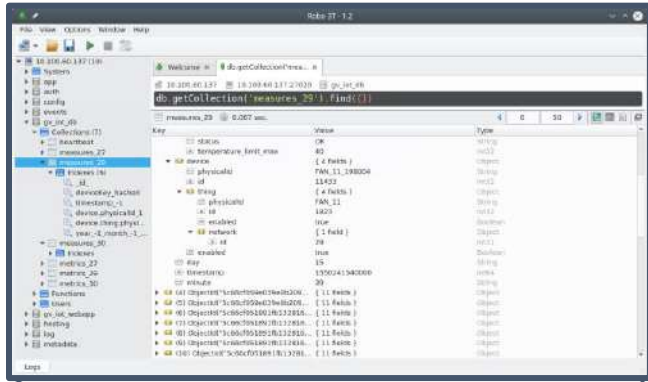
Alcuni progetti in produzione



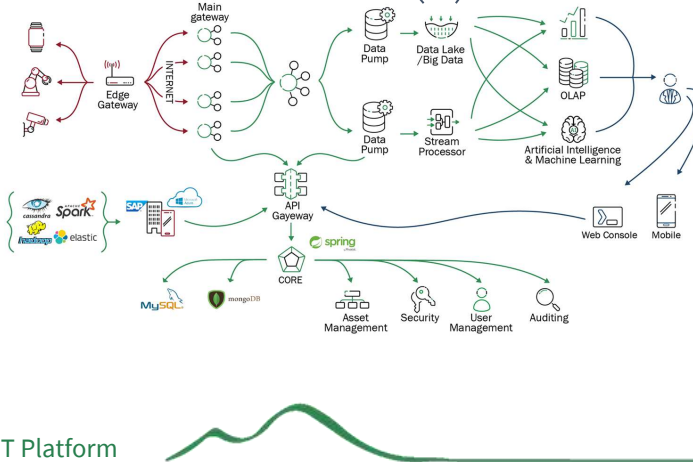
Architecture of the IoT platform used for ePopZeb



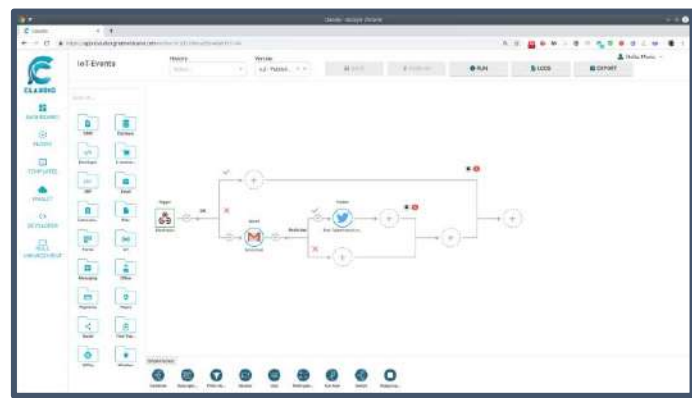
Alarms



21



Sibylla IoT Platform



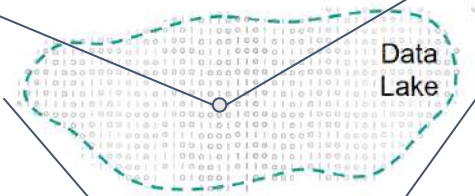
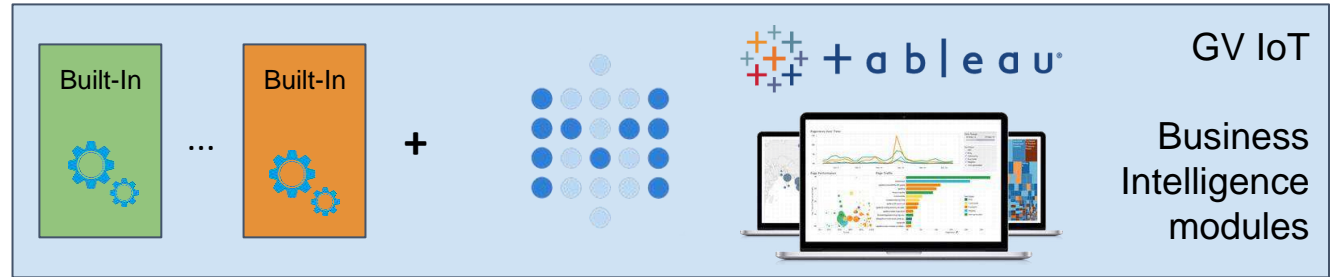
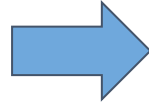
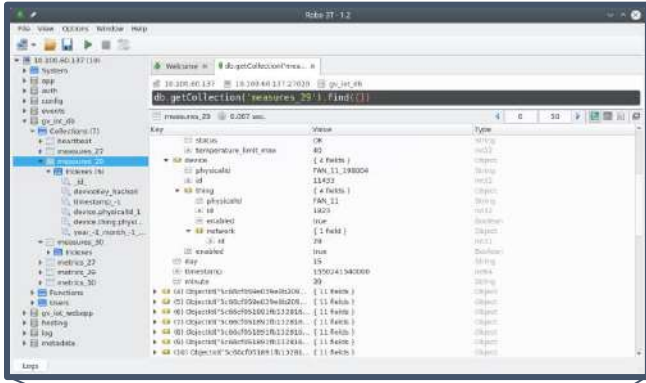
21



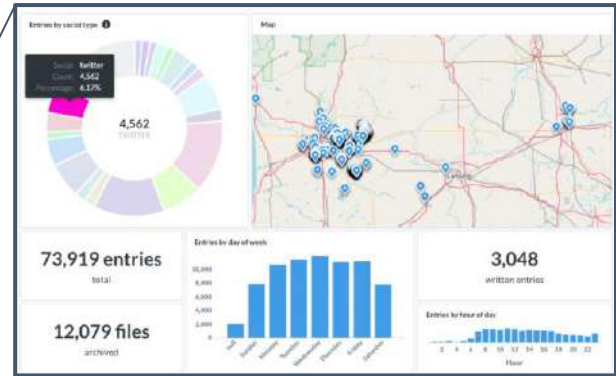
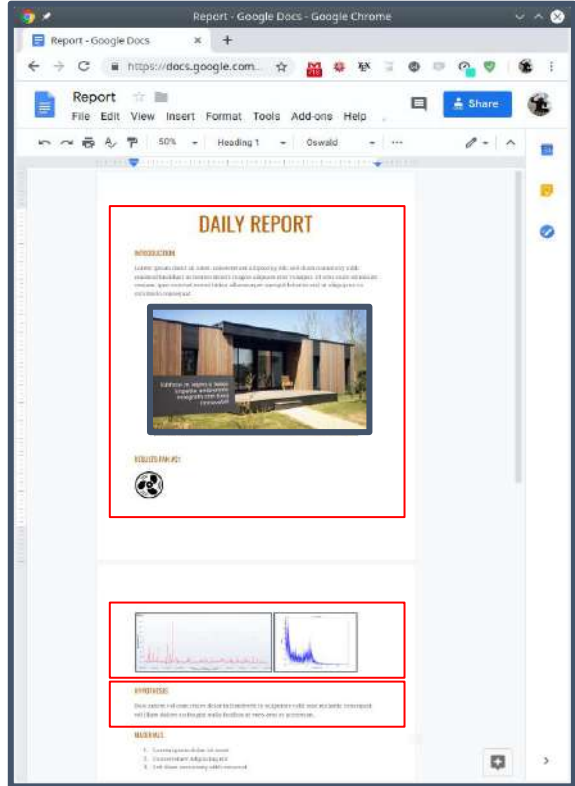
FAN # 21 is not working nominally. Rotation frequency went out of range. Limit was 1500 rpm. Detected 1765 rpm



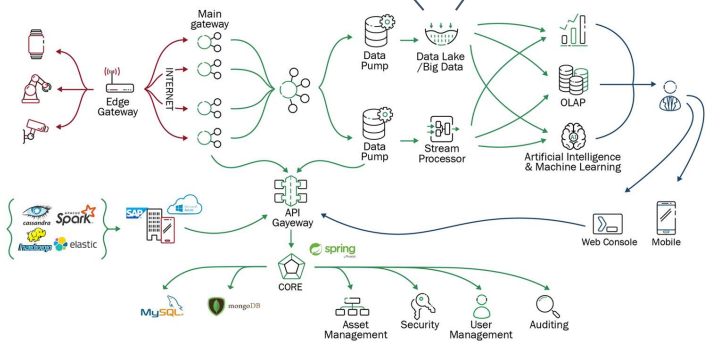
Analysis and reports



Compose your report



FAN #21 is not working nominally. Rotation frequency went out of range. Limit was 1500 rpm. Detected 1765 rpm

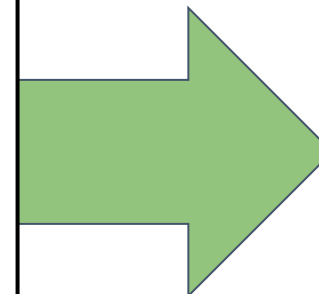
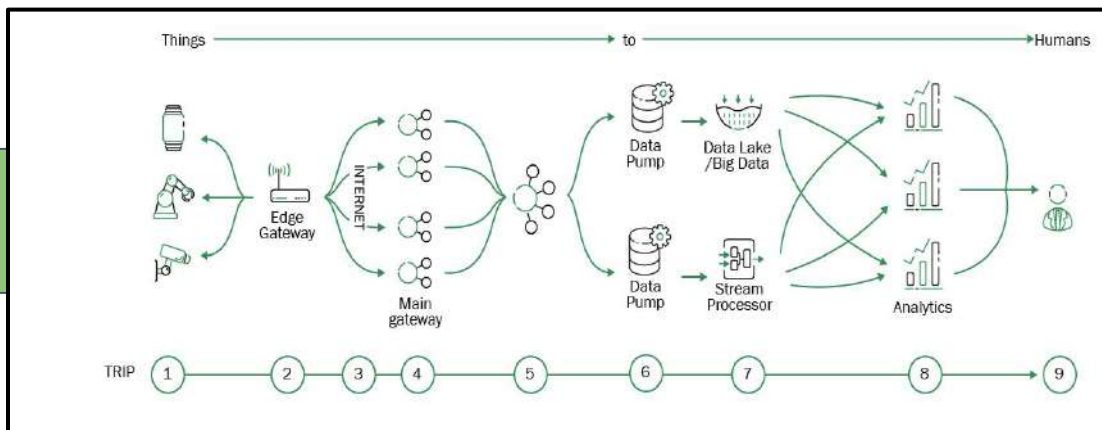




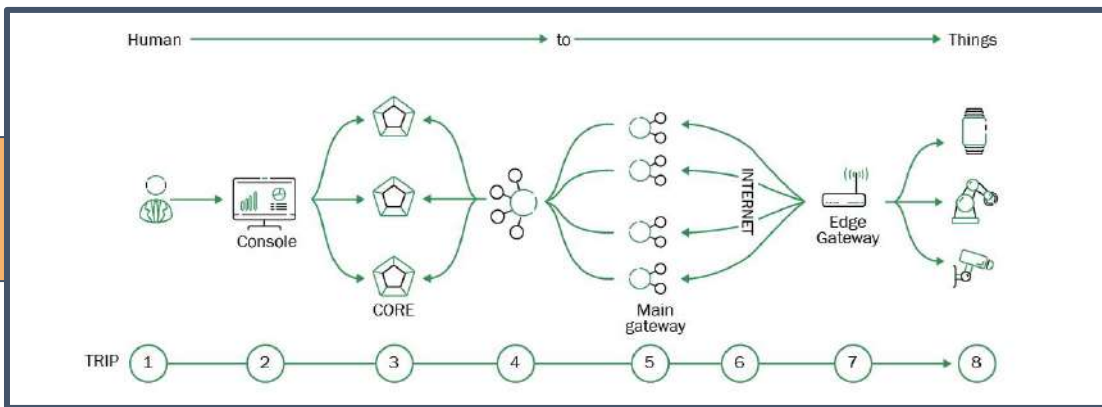
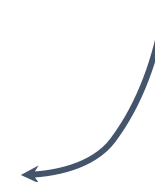
Automatic actions



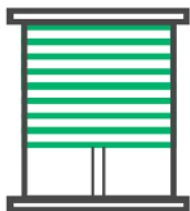
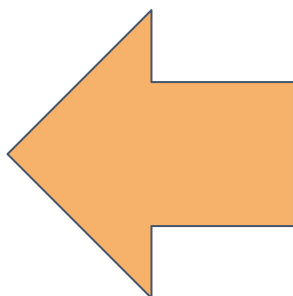
Sensing



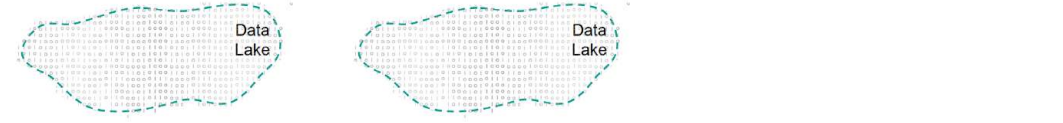
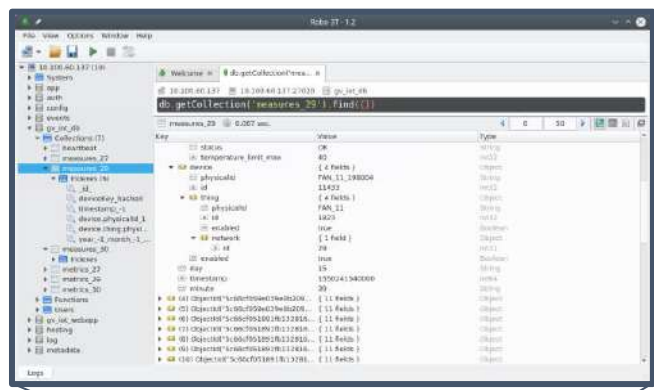
Room Temperature is increasing



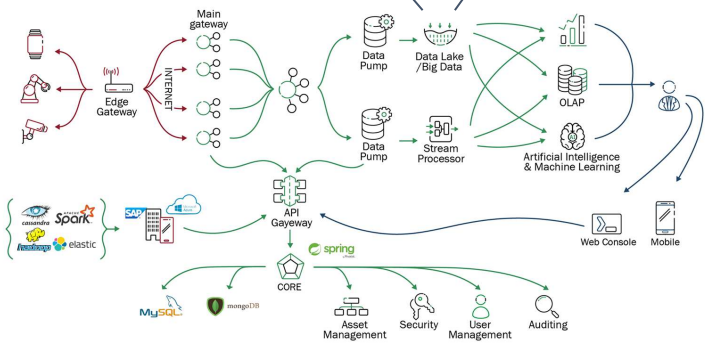
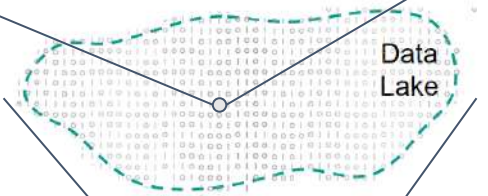
Acting



Predictions



Built-In ... Built-In + elastic X-Pack machine learning + Ignite **GV IoT Business Intelligence modules**



FAN # 21
is likely to be failing
in 2 months



Edificio in legno a basso impatto ambientale integrato con fonti rinnovabili

Fibre cable



LAN cable

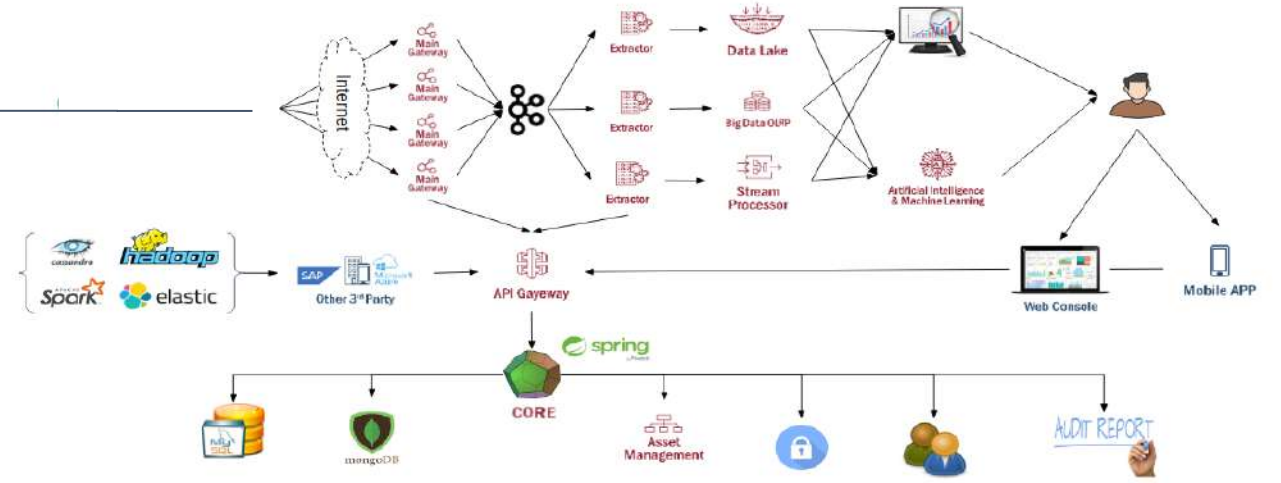
Run



Data certification

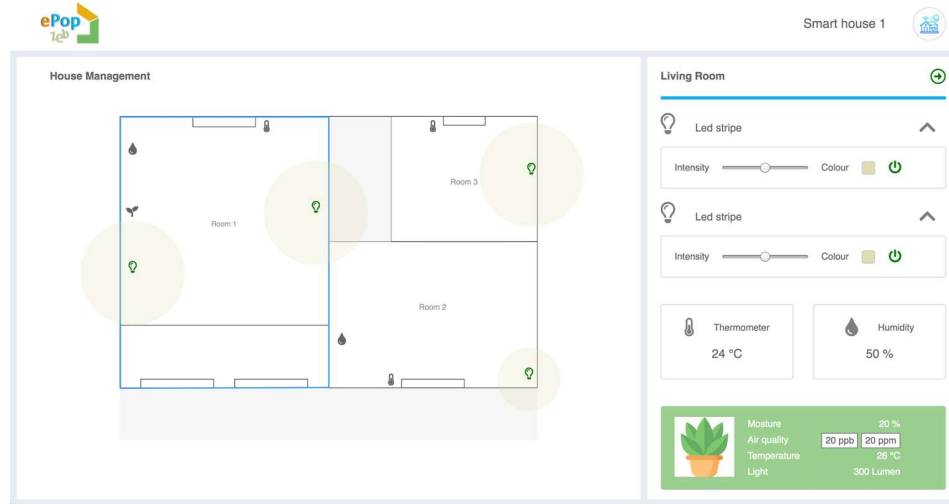


BLOCKCHAIN



Console ePop





VMC Termodinamica

Sensori temperatura

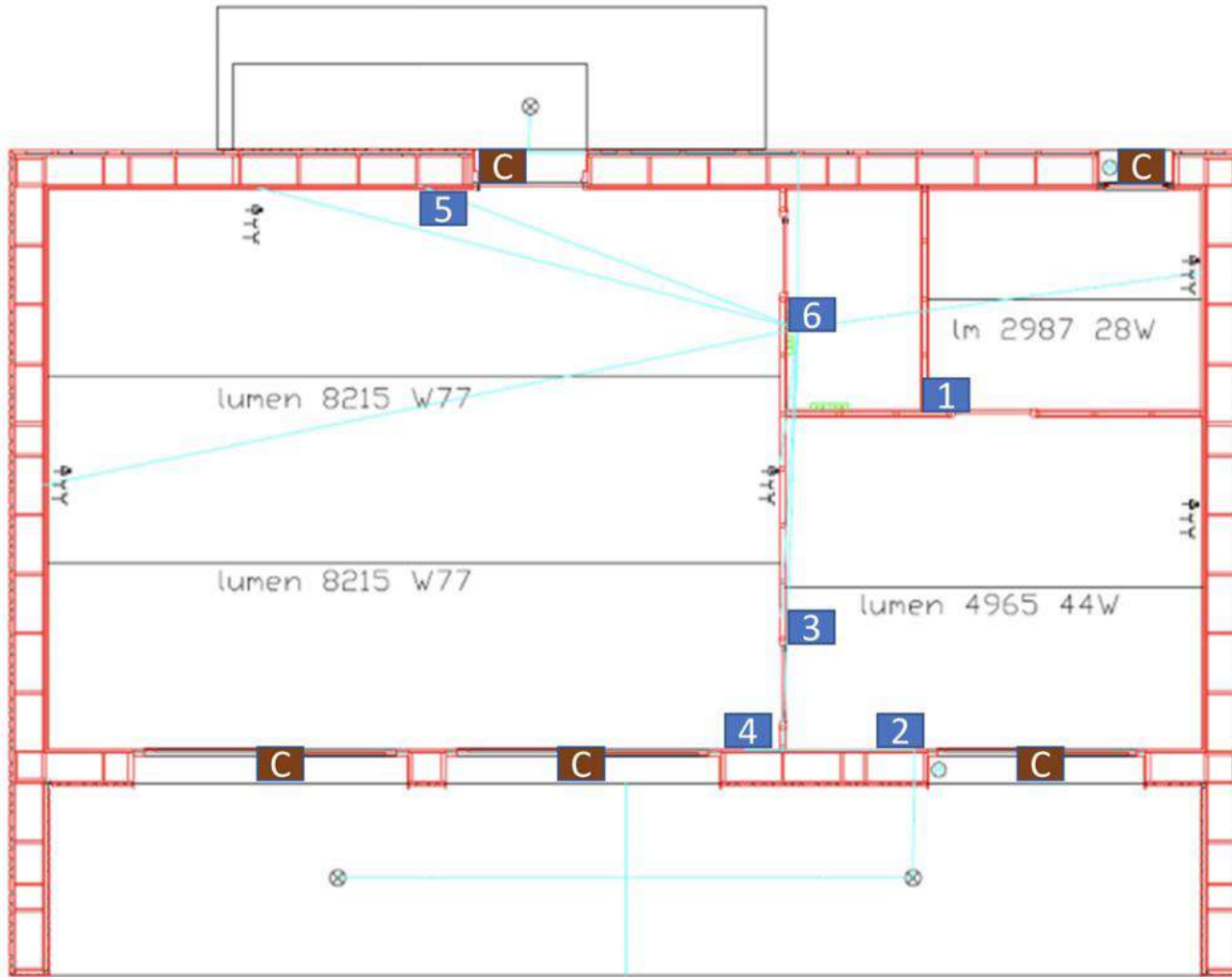
Sensori umidità

Sensore qualità dell'aria

Impianto fotovoltaico

Luci regolabili (attuatore)

Motore tapparelle (attuatore)



Punti di comando

- 1: scatola 504 con un pulsante per luci e uno per comandi tapparella (pulsante su e giù) + spazio vuoto da definire (al limite si inserisce un tappo)
- 2: scatola 504 con un pulsante per luci e uno per comandi tapparella (pulsante su e giù)
- (3): portare solo corrugato senza predisporre scatola
- 4: scatola 503 con un pulsante per luci
- (5): portare solo il corrugato, senza predisporre scatola
- 6: scatola 503 con un pulsante per luci

Le scatole tra parentesi potranno essere sostituite con pulsantiera a batteria che non necessitano scatole, si attaccano direttamente al muro.

Cablaggio

- Tutte le scatole dovranno essere collegate tramite corrugato con il quadro elettrico
- Su porte e finestre, in corrispondenza dei rettangoli C, dovranno essere collegati dei contatti magnetici, è sufficiente portare due conduttori dal quadro per ogni punto (si può usare doppino o cavo per allarmi)
- Relay, dimmer e attuatori per tapparelle verranno installati all'interno del quadro elettrico, che dovrà essere collegato ai singoli punti di attuazione.

Funzione	Modello	Quantità	Manuale
Relay	FGS-223	2	https://manuals.fibaro.com/content/manuals/multilanguage/FGS-2x3/FGS-2x3-S-v2.2-Americas.pdf
Dimmer	FGD-212	2	https://manuals.fibaro.com/content/manuals/en/FGD-212/FGD-212-EN-T-v1.2.pdf
Pulsantiera	Aeotec WallMote	2	https://aeotec.freshdesk.com/support/solutions/articles/6000176572-wallmote-user-guide-
Ingressi digitali	FGBS-222	4	https://manuals.fibaro.com/content/manuals/en/FGBS-222/FGBS-222-EN-T-v1.2.pdf
Sensore multiplo	Aeotec Multisensor 6	2	https://aeotec.freshdesk.com/support/solutions/articles/6000057073-multisensor-6-user-guide-
Modulo tapparelle	FGR-223	2	https://manuals.fibaro.com/content/manuals/en/FGR-223/FGR-223-EN-T-v1.2.pdf
Plug per prese	FGWPF-102	4	https://manuals.fibaro.com/content/manuals/en/FGWPEF-102/FGWPEF-102-EN-A-v2.1.pdf





 Username

 Password

LOGIN

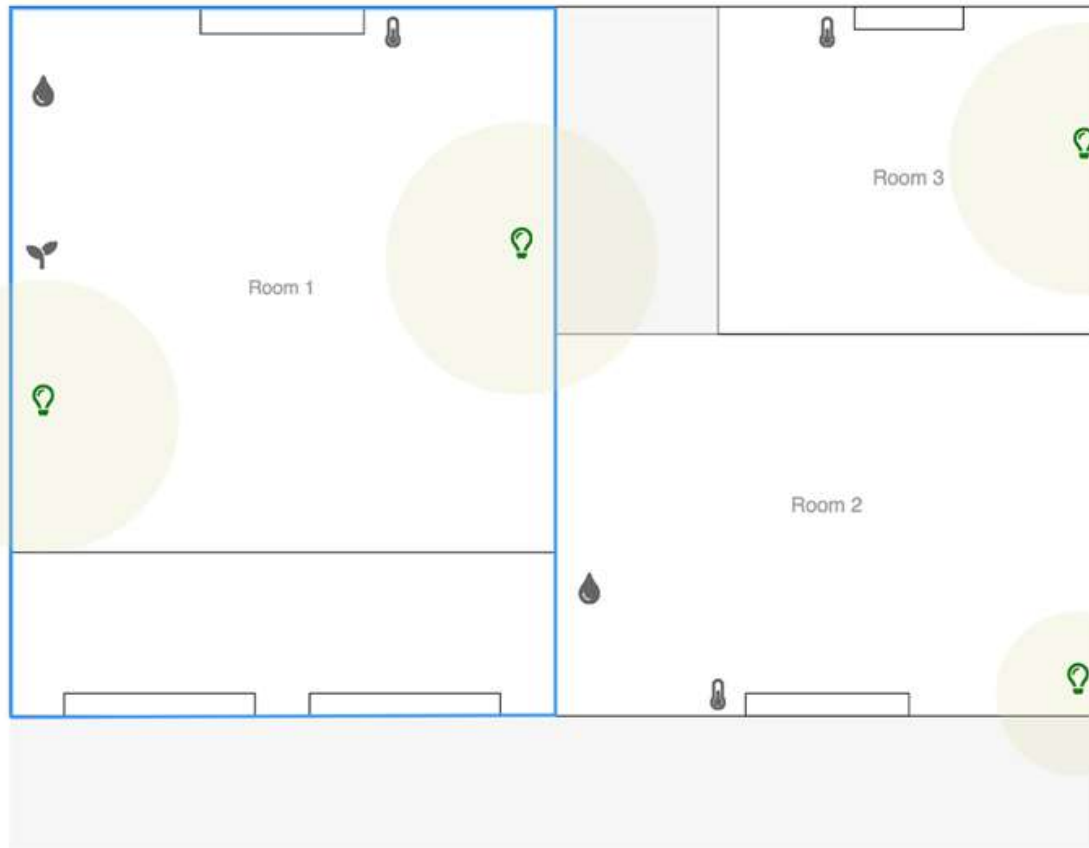


REGIONE
LAZIO





House Management



Living Room

Led stripe

Intensity Colour

Led stripe

Intensity Colour

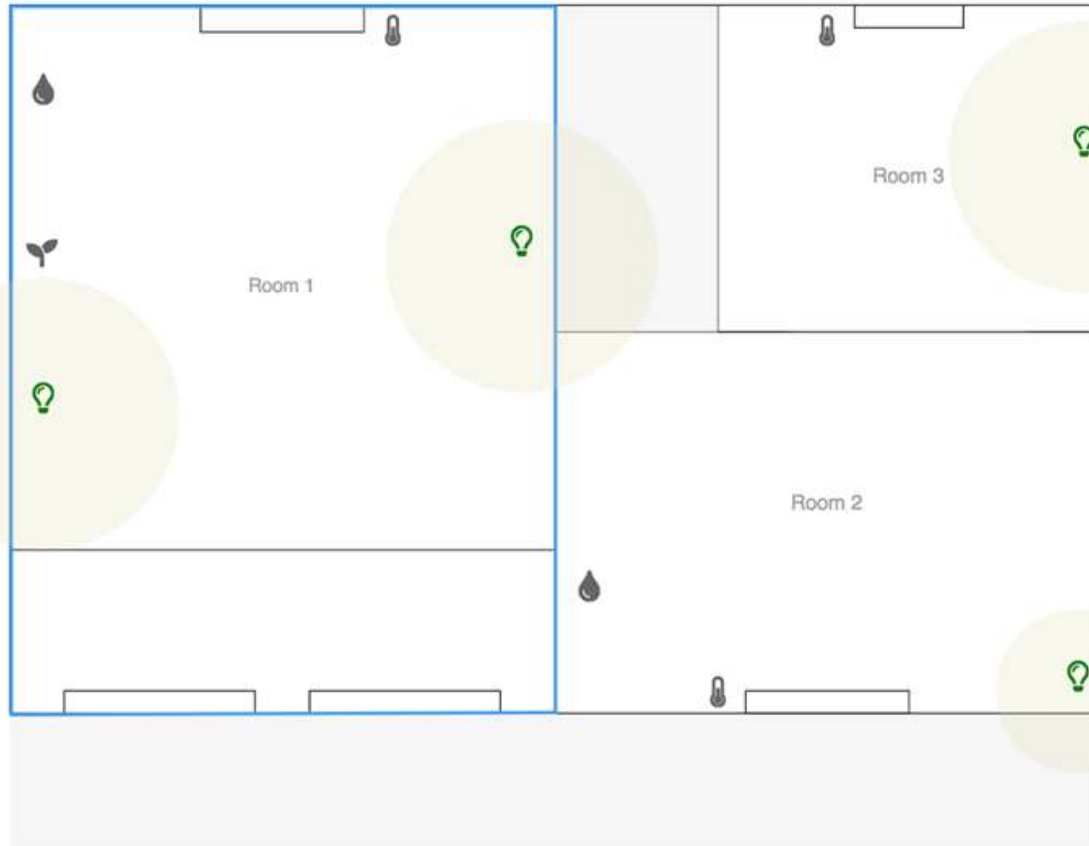
Thermometer
24 °C

Humidity
50 %

Moisture 20 %
Air quality 20 ppb 20 ppm
Temperature 26 °C
Light 300 Lumen



House Management



Living Room



Power Consumption

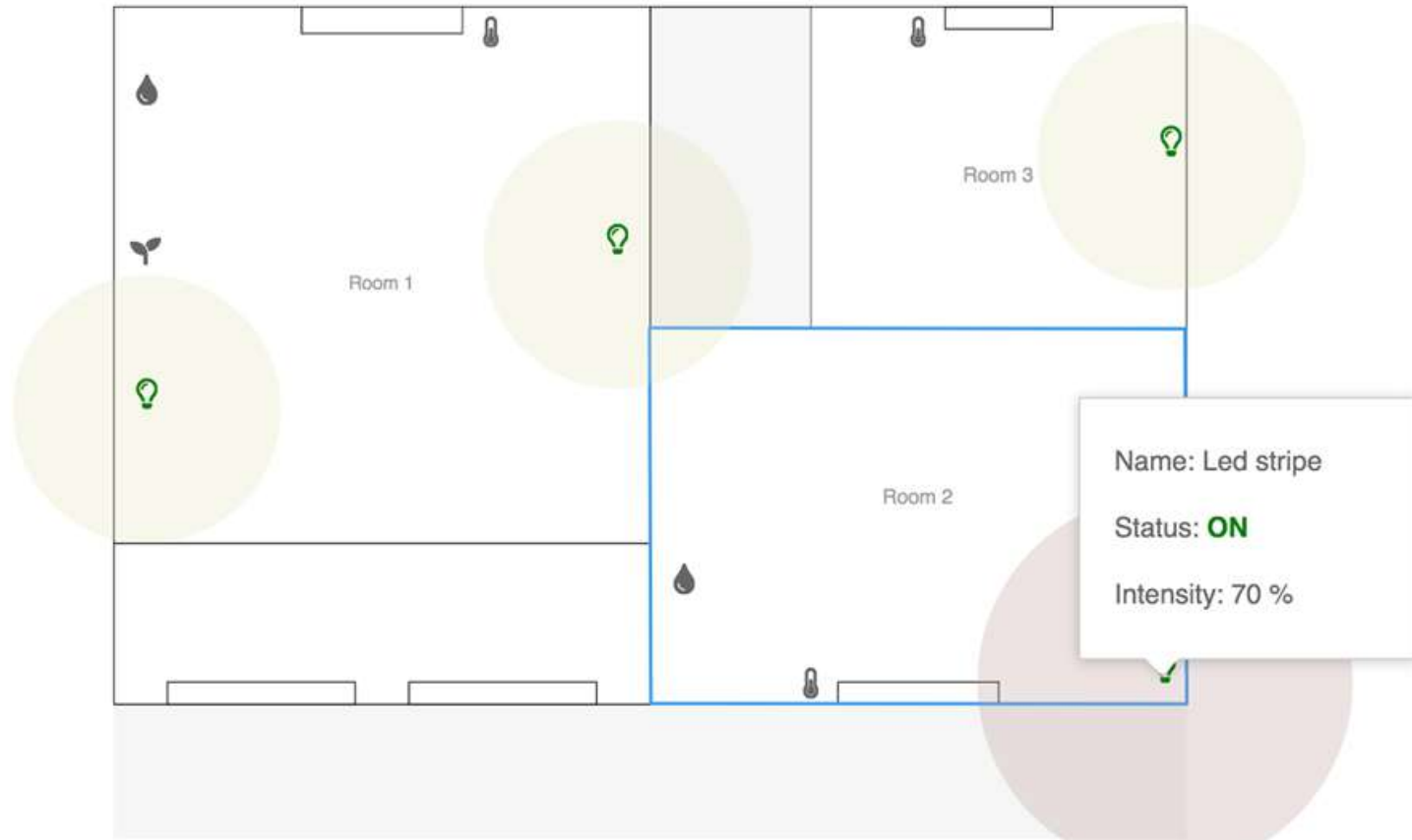


C02 Emissions





House Management



Kitchen



Led stripe

Intensity Colour

Thermometer
27 °C

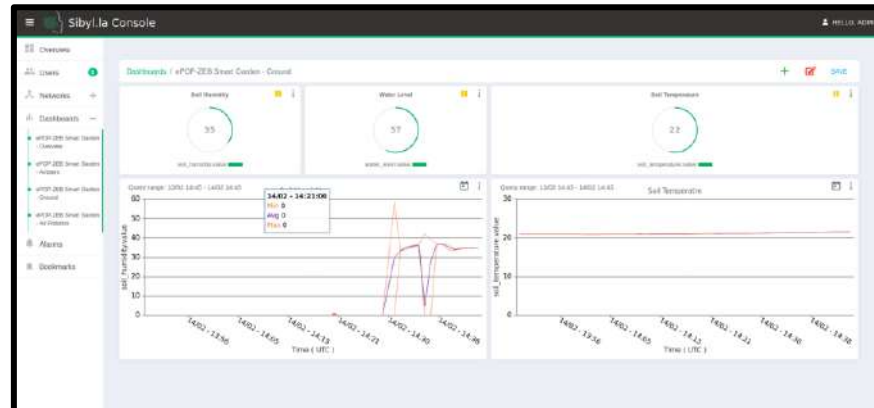
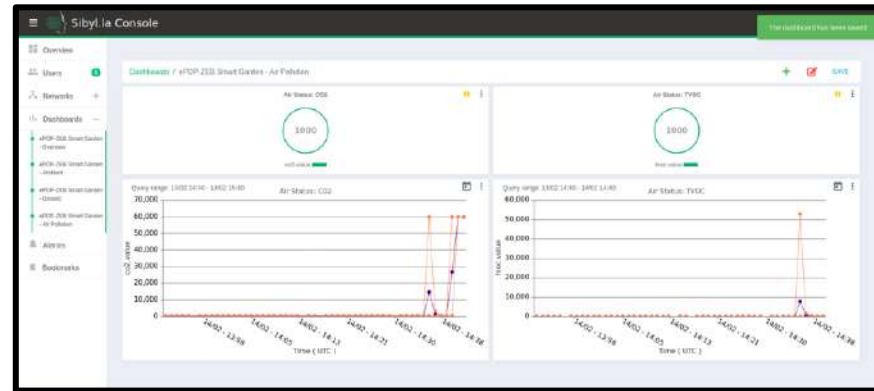
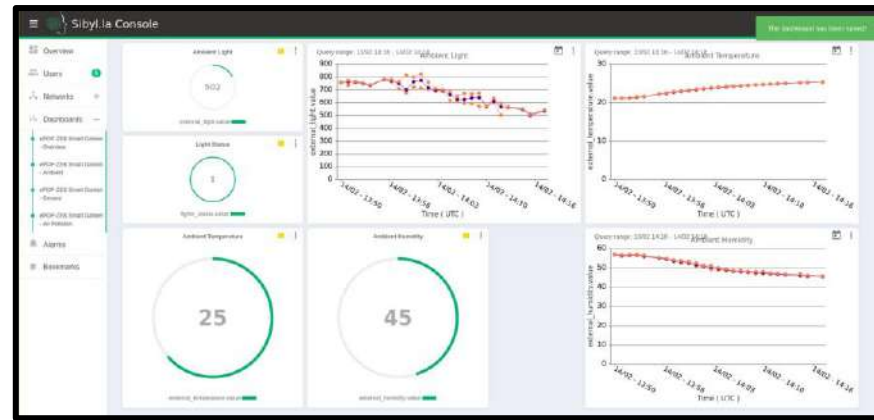
Humidity
48 %

The image shows a project titled "IoT Smart Garden". The title is displayed in white text on a dark rectangular background. Behind this background is a large, glowing arch made of red and purple LEDs. The arch is supported by two vertical pillars. The scene is dimly lit, with the primary light source being the arch itself. In the background, some faint outlines of other structures or equipment are visible.

IoT Smart Garden



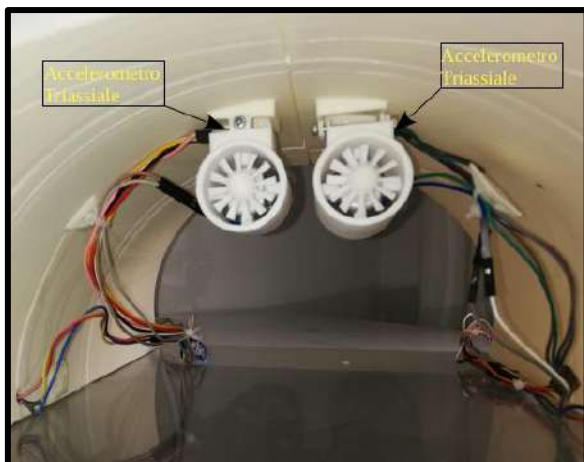
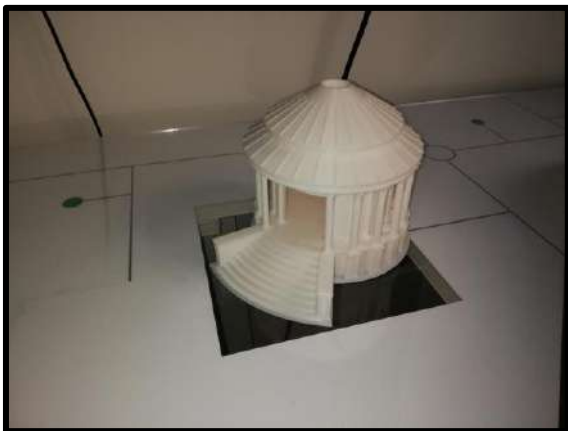
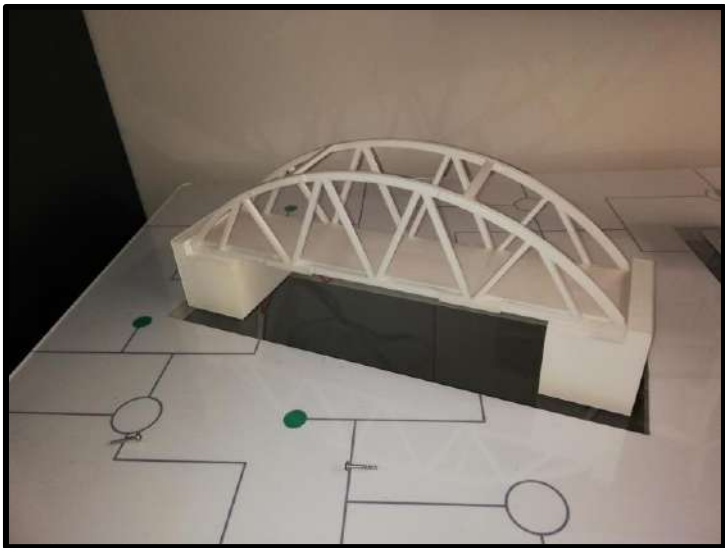
IoT Smart Garden



Next







Alcuni progetti in produzione



Console Sibylla.la

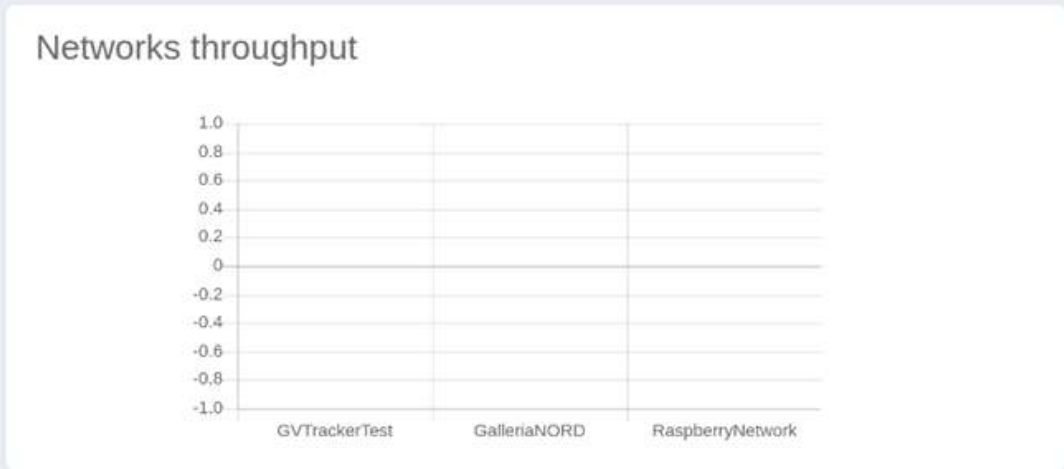


- Overview
- Users 5
- Networks +
- Dashboards +
- Bookmarks +

Networks
3

Things
34

Devices
273



Components status

1 s 30 s 60 s ||

GVTRACKERTEST GALLERIANORD RASPBERRYNETWORK

Status	ID	Label	Last Received Date	CPU	Free Memory	Report
●	GVT-IOT-TEST-RM02_dp...	gviot-datapump-tracker	2/19/2019 3:22:18 PM	0.22%	136.18 MB	R
●	GVT-IOT-TEST-RM01_dp...	gviot-datapump-websocket-tracker	2/19/2019 3:22:20 PM	1.11%	88.28 MB	R

Gv IoT Platform - Google Chrome

Gv IoT Platform

HELLO, ADMIN

Overview

Users 5











Networks +

Dashboards +

Bookmarks +

Search...

Users

Username	Email	Level	Action
admin	m.reale@greenvulcano.com	ADMINISTRATOR	 
RaspberryNetwork		GATEWAY	 
GalleriaNORD		GATEWAY	 
GVTrackerTest		GATEWAY	 
l.furlano	l.furlano@greenvulcano.com	ADMINISTRATOR	 



Gv IoT Platform - Google Chrome

10.100.60.196:8080/test/#/dashboard/networks/29/things

Gv IoT Platform HELLO, ADMIN

Overview

Users 5

Networks +

Dashboards +

Bookmarks +

Networks / GalleriaNORD

Search...

Things +

Physical Id	Status	Toggle Status	Action
FAN_01	Enabled	<input checked="" type="checkbox"/>	Edit Delete
FAN_02	Enabled	<input checked="" type="checkbox"/>	Edit Delete
FAN_03	Enabled	<input checked="" type="checkbox"/>	Edit Delete
FAN_04	Enabled	<input checked="" type="checkbox"/>	Edit Delete
FAN_05	Enabled	<input checked="" type="checkbox"/>	Edit Delete
FAN_06	Enabled	<input checked="" type="checkbox"/>	Edit Delete
FAN_07	Enabled	<input checked="" type="checkbox"/>	Edit Delete
FAN_08	Enabled	<input checked="" type="checkbox"/>	Edit Delete
FAN_09	Enabled	<input checked="" type="checkbox"/>	Edit Delete
FAN_10	Enabled	<input checked="" type="checkbox"/>	Edit Delete



Gv IoT Platform - Google Chrome

10.100.60.196:8080/test/#/dashboard/networks/29/things

Gv IoT Platform HELLO, ADMIN

- Overview
- Users 5
- Networks +
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- Bookmarks +

FAN_08	Enabled	<input checked="" type="checkbox"/>	Edit	Delete
FAN_09	Enabled	<input checked="" type="checkbox"/>	Edit	Delete
FAN_10	Enabled	<input checked="" type="checkbox"/>	Edit	Delete

« 1 2 3 » 5 10 25

Network Components

GalleriaNORD

The diagram illustrates a network structure where a central node 'GalleriaNORD' is connected to a series of fan nodes (FAN_01 to FAN_28). Each fan node is further connected to a set of sub-nodes. For example, FAN_01 connects to sub-nodes 18001 through 27004, and FAN_11 connects to sub-nodes 18001 through 27004. The connections are visualized as a series of lines radiating from the central node to the fan nodes, and then from the fan nodes to their respective sub-nodes.





