

ITMINDS

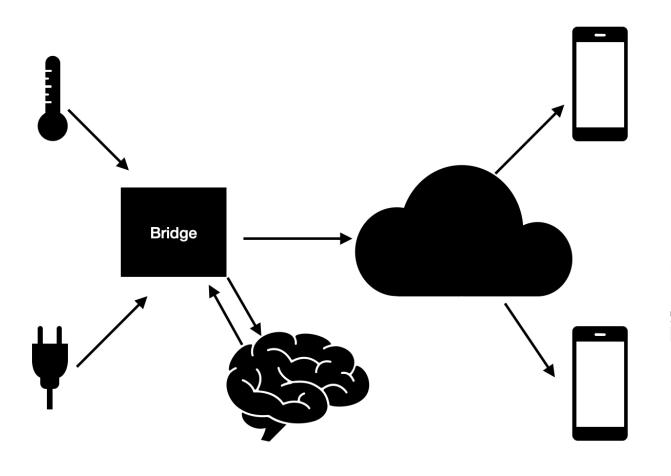
A DISTRIBUTED IOT SYSTEM BUILT TO LIMIT ENERGY CONSUMPTION INSIDE INDUSTRIES

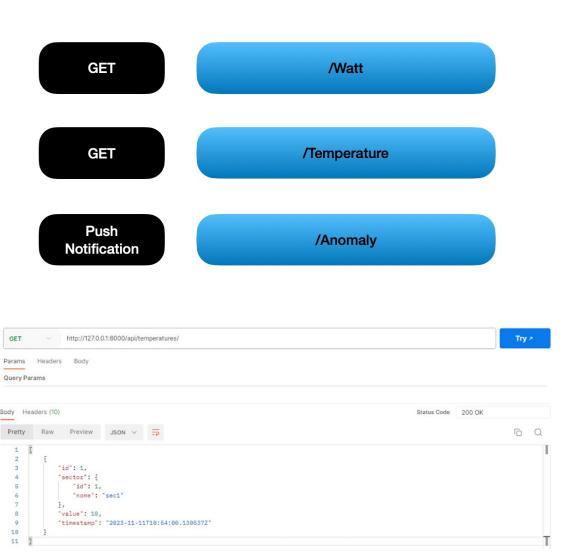
WHAT HAVE WE WORKED ON?

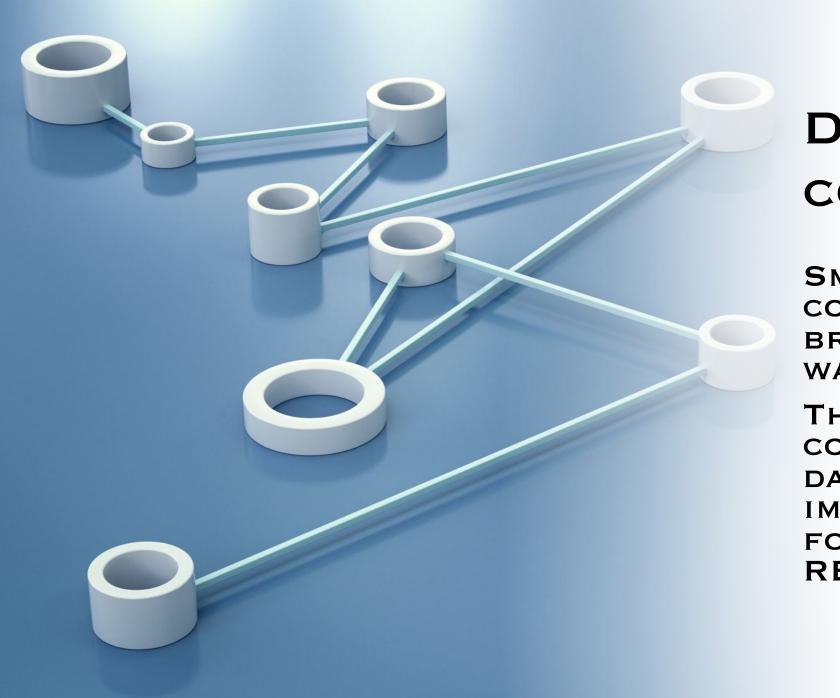
- A SYSTEM BASED ON DIFFERENT SENSORS TO COLLECT DATA REGARDING THE ENERGY CONSUMPTION
- AN OPEN-SOURCE API ABLE TO COMMUNICATE WITH A MOBILE APPLICATION
- An Al Based
 NOTIFICATION TOOL



THE ARCHITECTURE







DATA COLLECTION

SMART SENSORS CAN COMMUNICATE WITH A BRIDGE IN DIFFERENT WAYS.

THE BRIDGE IS
CONNECTED WITH A
DATABASE
IMPLEMENTED
FOLLOWING THE
REST PARADIGM

DATA REPRESENTATION

In In In It

THE DATA ARE
REPRESENTED IN A
FUNCTIONING MOBILE
APP THAT USES BOTH
GRAPHS AND
NUMERICAL
INDICATORS IN ORDER
TO GUARANTEE A
SIMPLE INTERACTION
WITH THE SYSTEM



AUGMENTATION-AI

THE CAPABILITIES OF THE DIGITAL TWIN HAVE BEEN AUGMENTED WITH THE USE OF A CLASSIFICATOR THAT ADVISES THE USER, WITH A PUSH NOTIFICATION, WHEN THERE ARE UNUSUAL CONSUMES OF ENERGY