

Adaptive Maintenance in the Field of the Internet of Things (IoT)

Setting:

Sensors measure local conditions (e.g. vibration, temperature, CO2, glass breakage, humidity...) evaluate the data in cloud platforms and automatically generate tasks when limit values are exceeded.

Your Tasks:

The door of a room is opened more than 10 times, the cleaner/cleaning robot only has to clean rooms that have been used more than x times.

- The chair will provide 2 sets of STM Nucleo 64 boards
- Sensor can be chosen freely, but motion sensing is available
- Implement a control structure on a cloud platform that can interface with existing solutions

Project Characteristics

Modeling: ★★☆☆☆
Mathematics: ★★☆☆☆
Programming: ★★★★★
Science: ★★☆☆☆

