



# Internet of Things (IoT)

## Belgian HSSIP

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# Contents

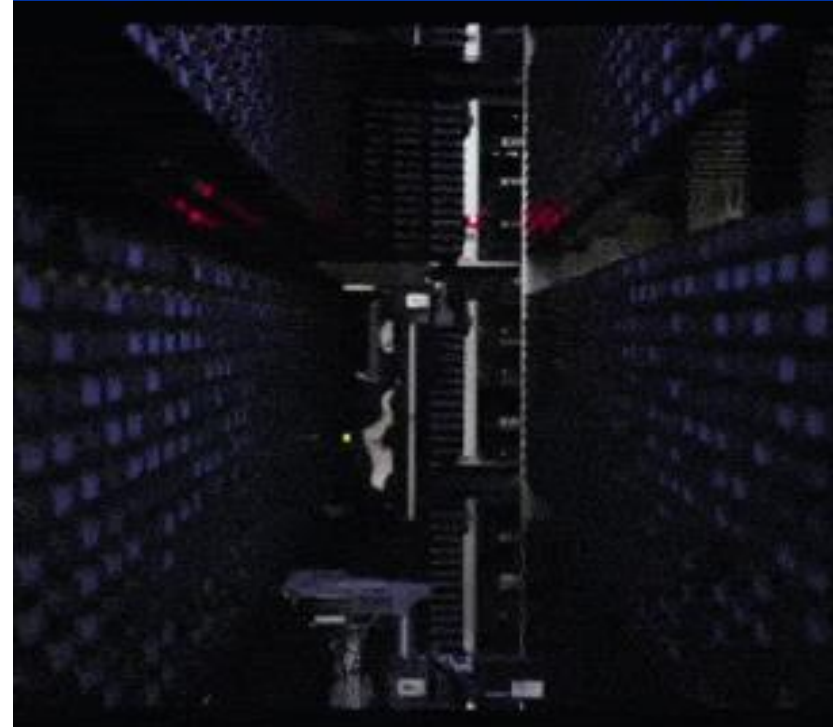
- **Introduction: devices at CERN**
- **Internet of Things**
- **Our IoT project**

# Introduction: devices at CERN



TIM  
(robot in the LHC)

Robots at data center



Proximeters

# Internet of Things: examples

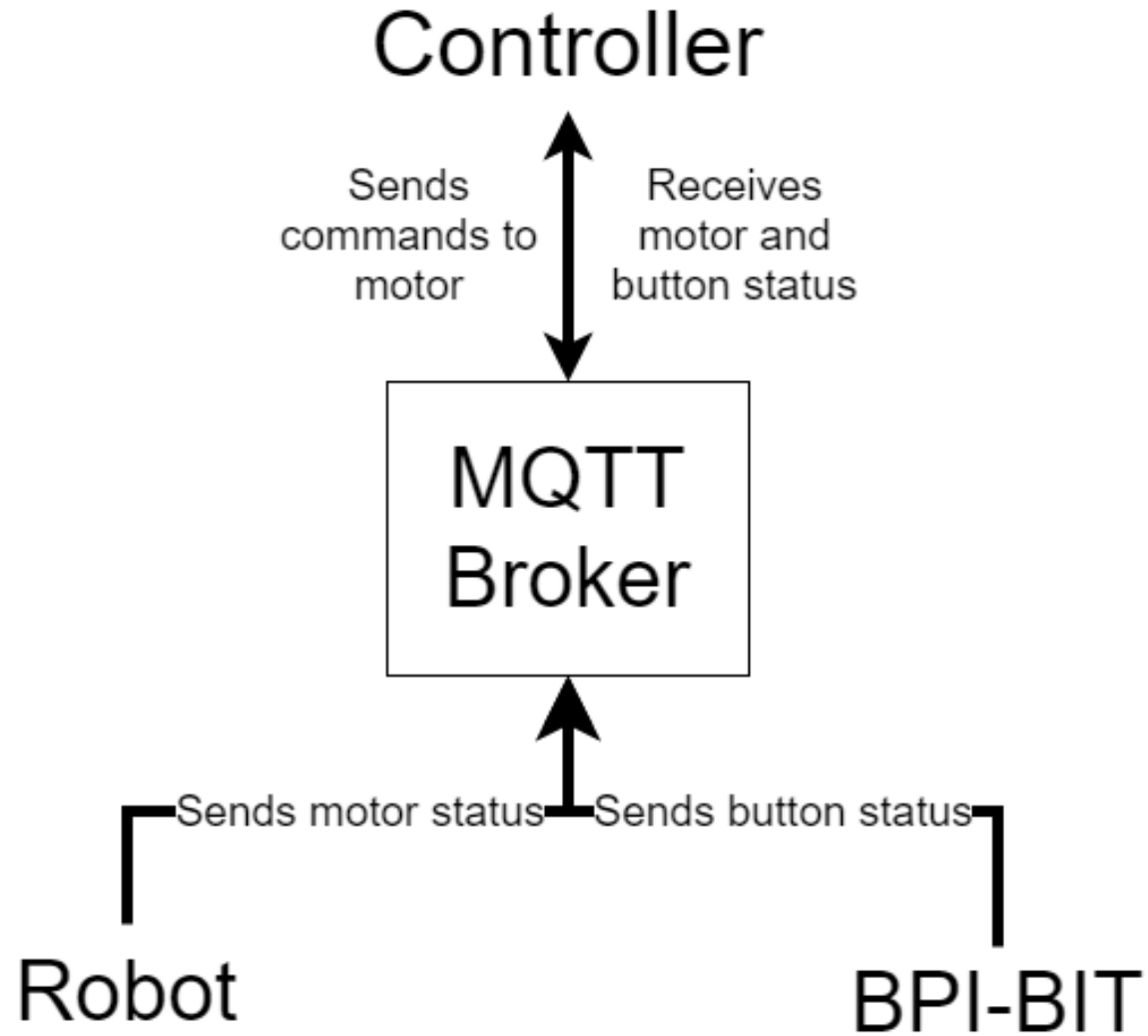


**ANYTHING**

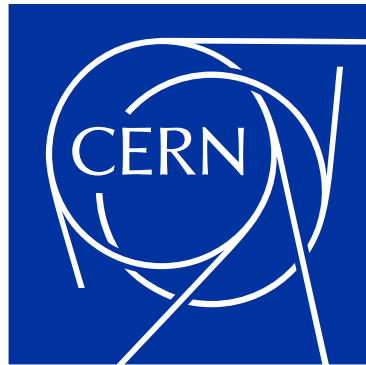
# Internet of Things: functioning

- **Using protocols**
  - = way of communication
  - Analogy for humans: phone, SMS, e-mail, ...
- **Examples:**
  - TCP (= Transmission Control Protocol)
  - HTTP (= Hypertext Transfer Protocol)
  - **MQTT (= Message Queuing Telemetry Transport)**

# Our IoT project: organization







Many thanks to our supervisors,  
Brice Copy and Thomas Oulevey

[home.cern](http://home.cern)