Title of the Bachelor's thesis
Cloud Connected Watch

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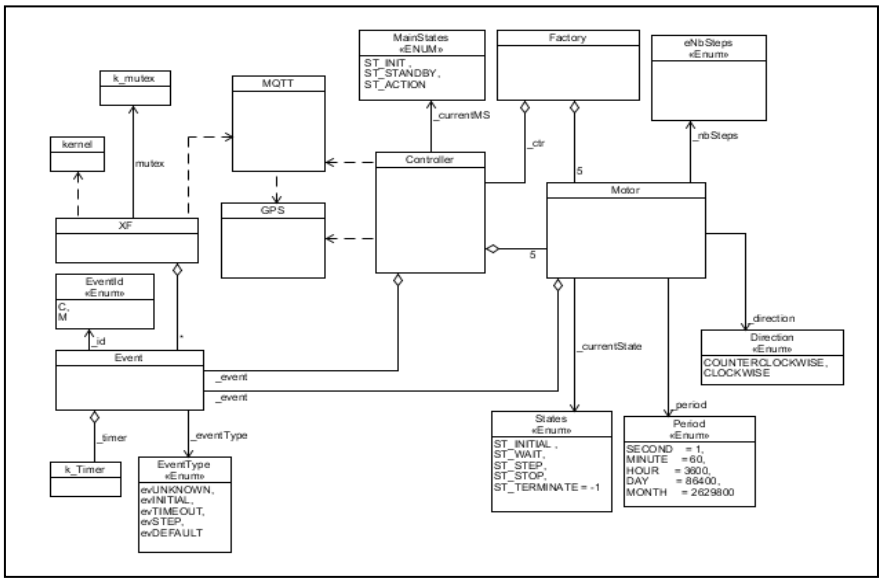
Objectives

This Bachelor work is to connect a SOP915.03 clockwork directly to cloud via LTE-M. It is required that the watch be able to take the actual time from the cloud. The Watch must also be able to communicate its position on earth to the cloud.

Methods | Experiences | Results

The work is divided in two main parts, the hardware includes testing of hardware composants, provided by Engineering School.
Software part that includes the mais job of the thesis requires to define a structure according to the objectives. After an analyse of hardware tests and the tasks that they should perfom, software structure is defined. For simplifiying the job it was divided into subdivisions, classes. Each class perfom on part of the job and a combination of them is able to do the clockwork.
On the other side a web page is waiting to receive data from clockwork, so some class do this job to publish clockwork information on web page.
Results of the job are in some how reliable that every subdivision is working well and a combination of them is performing what is the objective of the job. But some how the result is not reliable that with actual job done there are some imprecisions that requires more tests and better service provision by hardwares.[img :nRF91]



Bachelor's Thesis
| 2020 |

Degree programme
Systems Engineering

Field of application
Major Infotronics

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