Wave Industries
Sprint Report
NTNU

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1   week 42

First week of planning, this week we focused on Sprint planning, and creating documentation:
change log:

- Added Readme, GANT chart and Network layout

- Added Prototype dashboard

- Added MQTT client and subscriber for testing

Issues Closed:

- Research and write short document of MQTT setup

- Start work on Prototype dashboard

- Create overview document

- Start work on MQTT client side, create short document of setup

2   week 43

This was furthering development, and testing more of what MQTT is capable of
change log:

- Changed MQTT client and broker to test timing

- Added Database to stare values

- Added documentation of building software

- Added broker for local tests

- Discussed security and packet flow

Issues Closed:

- set up database models

- Add, "how to build" section in readme

- setup MQTT broker for messages across web

- Discuss security features of MQTT

- Finish up MQTT client

2.0.1   week 44

This week we were at an Equinor sponsored event in Oslo thus did not have a lot of time to
work on the sprint
Issues closed:

- Research more security features in MQTT

2.0.2   week 45

Started on Api endpoints and MQTT subscriber to push to it
Change log:

- added API endpoints

- added basic client to interact with api

Issues closed:

- create basic api endpoints

- create backend client to store data in database

2.0.3   week 46

Creation of simulation data, and finishing up MQTT subscriber
Change log:

- Added Simulator code

- fixed more API code

Issues closed:

- Create a ship simulator

- MQTT HTTP post request

2.0.4   week 47

soon finished

2.0.5   sprint retrospective

pass