

# Wave Industries Ship analysis

## NTNU

Huse Storebø, Gard      Gunapalan, Arunanthi      Bieniek, Rafal

Norheim Nysæther, Henrik

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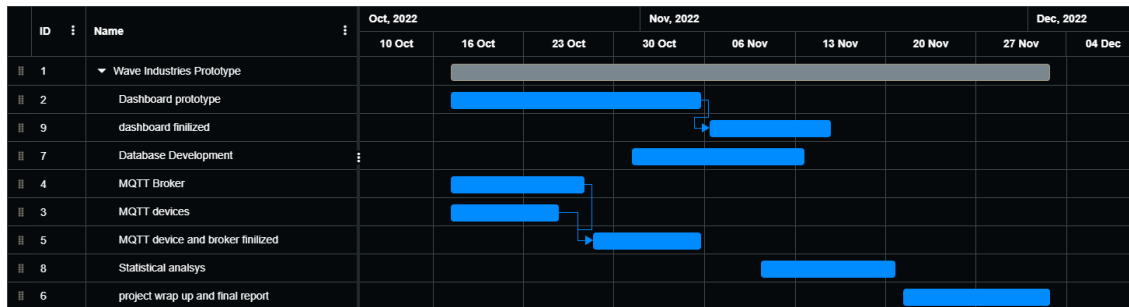
### Quick overview

This project we have dubbed Wave Industries Ship Analysis is a project designed to solve a real world problem, however it is not backed by any corporation. The real world application we have chosen is statistical analysis of ships in Norway. This analysis gives easy access for remote monitoring for land based operator stations, also the access to historical data could lead to more effective ways of doing predictive maintenance. This does adopt a big data perspective of data analysis, and therefore has huge potential for future statistical analysis.

### challenges

- Time frame, the scope of work is quite large, and scaling back might be needed, however we will include future work and an overview of this problem in the final report.
- Security, This should be a priority, we plan to setup our own MQTT server and look into this further, if time does not allow this, we will include it in final report and explain further work.
- Showing meaningfull statistics, finding and displaying in a logical manner could be difficult. Solving this would allow users to get a meaningfull overview of problems onboard.
- Redundancy might be an issue, specifically on database entry.
- Hypothetical bad connection to MQTT devices, these devices are planned to be installed on seafaring vessels, therefor connection to our servers might be unreliable, a discussion on how data is handled is in order.

# Road Map



<b>Start Date</b>		<b>End Date</b>	
Oct 17, 2022		Dec 02, 2022	
<b>Duration</b>		<b>Progress %</b>	
47 days		0.00	

# Infrastructure map

