



KONGSBERG



# cView User Management System

Kongsberg Norcontrol is a leading provider of maritime domain awareness systems, delivering software products of critical importance to coastal security in ports across the world. One of the latest additions to their product lineup is the cView Earth Observation Service, which is a lightweight web application specializing in live vessel traffic surveillance and oil spill detection services. As a proprietary software product, cView requires proper authentication and authorization of users to enforce access control based on user permissions and privileges. The purpose of this thesis project is to deliver a standalone web application for user management and configuration in cView.

## Project number:

1DA

## Objectives:

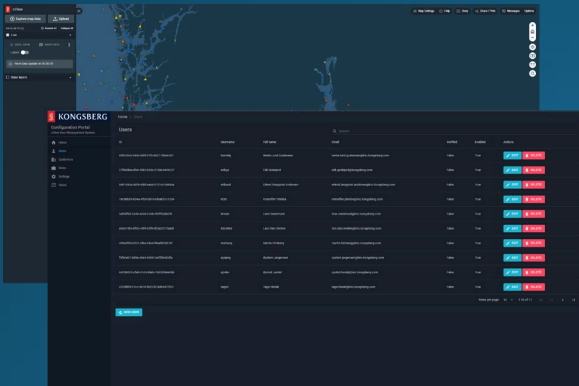
- Implement a software solution to streamline the management and configuration of users in cView
- Ensure proper integration with the existing cView back-end services
- Isolate the product in a Docker container ready for deployment as a self-contained microservice
- Devise a plan for penetration testing to ensure the application is properly secure

## Summary:

The software product developed in this project will be a full-featured application for managing and configuring users and customers in the cView Earth Observation Service, including the assignment of roles, permissions and privileges used to enforce access control in the main cView application.

## About the team:

Erlend Bergqvist Andersen and Tage Hisdal are employed at Kongsberg Norcontrol in Horten while studying Computer Science at the University of South-Eastern Norway. Both team members share a mutual interest in object-oriented programming and software development.



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