

1 Abstract

This paper describes the modification of an existing lifeboat to a hybrid model.

The regulations concerning lifeboats and the needed ship design were taken into account in the project of this integration.

The result is a study and simple design and possible to retro fit it to older lifeboats.

The original intention was to perform a theoretical study and in the same time finalise a practical setup. Even though the Covid 19 pandemic came into full effect and disrupted the work on this project.

Nevertheless, the theoretical study could be finalised and is described in this paper.

The setup of this paper must allow colleague students, of follow up promotions, to continue working on this project and eventually finalise a practical realisation.

This paper contains a descriptions as well as CAD 3D design drawings and 2D part designs and is also a good base to finalise the electrical part of the project.