A holistic approach to managing small naval vessels: From business innovation to VR visualization

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1 Overview

Lifecycle of small craft passenger boats

- are made of composite materials
- small craft, with length overall up to 30m
- sea-going vessels which carry passengers for recreational or commercial purposes.

The goal is to develop a user-friendly, dynamic, information-rich technical metafile for the vessel that includes all aspects of the vessel including

- initial customer specifications
- required regulations
- shipyard designs
- final sea-trial data
- post-delivery surveys
- inspections.

Cluster 5 represents the Small-Craft Passenger Boat industry in the UIW project

2 The Facts

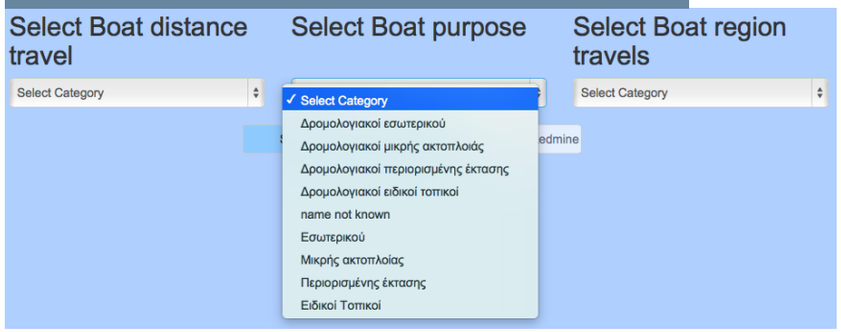
Cluster 5 Includes 3 major industry actors

- The boatyard represented by Ocean Yard Company
- The Classification Society represented by INSB Class
- The boat owner & operator represented by SEAbility Ltd.

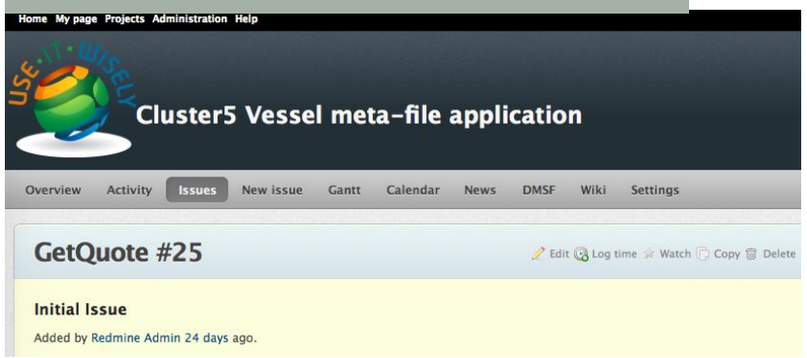
Cluster 5 has developed tools and methodologies to address issues in the whole life-cycle of a passenger boat, from customer requirements to design, manufacturing and updating.

Developments within the UIW project aim to reduce time and cost related to decision making, designing, manufacturing, updating and operating small craft passenger or other commercial purpose boats

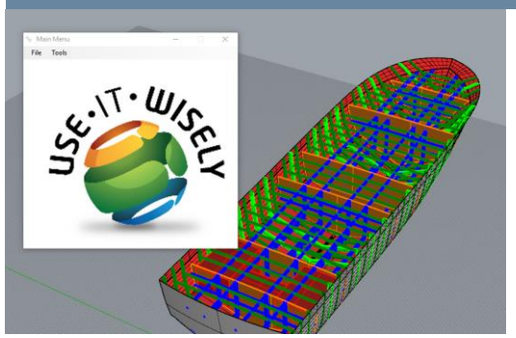
Customer Requirements

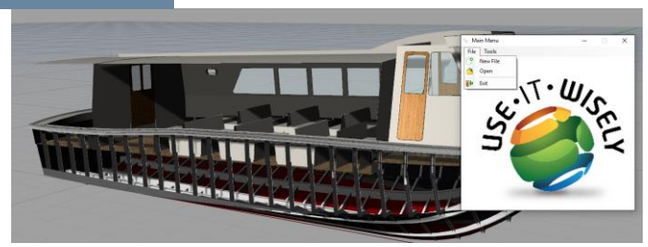


Actors Communication

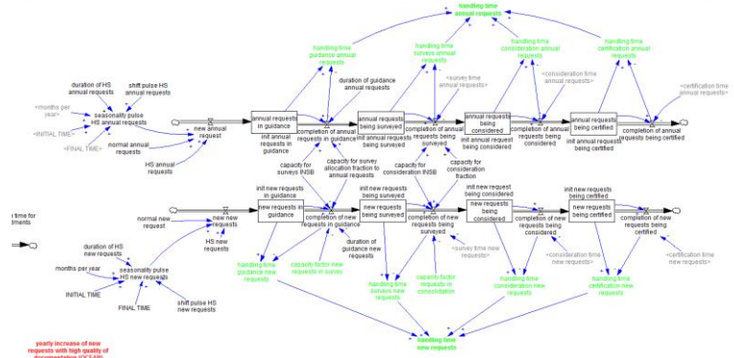


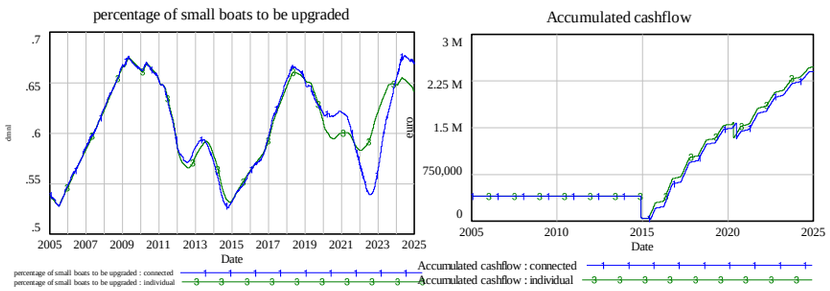
3D Visualization





Business Innovation





Partners involved

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