



Capacity with a pOSitive enviRonmEntal and societAL footprInt: portS in the future era



D5.5: HaminaKotka LL Scoping Document

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Executive Summary

This document aims to describe the technical specifications and scenarios to be implemented in the Living Lab of HaminaKotka, including PORTMOD, the Light Truck Appointment System (Light-TAS), and the Port of Future Serious Game (PoFSG). HaminaKotka Living Lab consist of the following main partners: Stevco, VTT, SGS and Deltares.

A Requirement Traceability Matrix of the user requirements collected in the deliverable D1.3 “Ports needs and Requirements” associated to the HaminaKotka LL and the specific COREALIS innovations is shown in section 2.

Section 3 describes in detail the different scenarios and sub-scenarios of the innovations to be tested in the HaminaKotka LL, paying special attention to the case of PORTMOD. In addition, the section presents involved personas as well as Key Performance Indicators (KPI) to evaluate the outcomes of scenarios.

The system requirements, which are based on the user requirements presented in D1.3 and summarized in the section 2, are described in the section 4 of this deliverable.

Section 5 focuses on the technical aspects of the systems and describes the project steps for each technology implementation.

Section 6 describes the data needed for the successful implementation of the different scenarios to be tested in the Port of HaminaKotka.

Finally, the section 7 concludes the deliverable by summarizing the implemented systems, responsibilities and connections to other living labs.

Based on the tests presented in this document, COREALIS project will get information about three COREALIS innovations’ suitability and benefits for medium-size container terminal. Stevco Oy as a main operator in HaminaKotka container terminal will get valuable information about how to develop the port both in short and long term.