



## Capacity with a pOsitive enviRonmEntal and societAL footprint: portS in the future era



### D2.3. Truck Appointment System Final Version

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## Executive Summary

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This document describes the final technical specifications of the Advanced Truck Appointment System (TAS) implemented in the Port of Valencia Living Lab, which is a most sophisticated version of the “Light TAS” used in the Port of HaminaKotka. These technical specifications are complementary to the “Truck Appointment System Technical Specifications” of the TAS alfa version, included as Annex to D5.2 (Valencia LL Scoping Document).

The Traceability Matrix of users’ requirements collected in the deliverable D1.3 “*Ports needs and Requirements*” for the TAS of Valencia LL is provided in section 2 updating the status of development of each feature included in each version of the innovation.

Section 3 describes the final scenarios and sub-scenarios of implementing the Advanced Truck Appointment System in the LL of Valencia Port.

Section 4 describes the users of the Truck Appointment System and their corresponding profile in TAS.

Section 5 focuses on the data that can be obtained for analytic purposes, KPIs definition and monitoring.

The System and Data requirements for the correct functioning of TAS are compiled in Section 6.

Section 7 focuses on the technical aspects of the system and the functional specifications from each user’s practical point of view.

Section 8 is devoted to the ETA component, focusing on accurate prediction and machine-learning techniques.

In section 9 future possible interactions of the TAS with other systems of the Port of Valencia and HaminaKotka are considered, leaving an open door to on-going enhancement of the TAS according to changing needs of the Port community, trade demands and evolving innovation requirements.

Finally, section 10 summarizes the main conclusions of the TAS implementation in the LLs of Valencia and HaminaKotka.