Maritime Integrated Affiliation

Collaborative Intelligent Platform

VTEK

VMIA

Why Do You Need MIA?

The MIA platform is a cutting-edge public-private data collaboration and exchange system, alike to a Port Community System. Its primary purpose is to streamline and optimize the intricate business processes within ports by facilitating seamless communication and data exchange among various systems and stakeholders involved in port call procedures. This is achieved through the submission of standardized and harmonized data, creating a unified source of information, often referred to as the "single source of truth (SSOT)."

By enabling all subsystems to communicate and exchange data concurrently, the MIA platform fosters collaboration toward a common goal. Its objective is not to disrupt the operations of other systems but to eliminate intermediaries, redundancies, and inefficiencies. This results in improved port efficiency, reduced operational costs, and enhanced overall system operations.

One of the standout features of the MIA platform is its flexibility. It offers a dynamic process definition function, allowing users to customize their processes and approval mechanisms as needed. Additionally, MIA platform includes authorization-based data filtering, ensuring data privacy and security based on user roles and data attributes.

The MIA platform extends its capabilities to provide Just in Time (JIT) Arrival services during vessel voyages. This service ensures continuous coordination and updates of timestamps such as Estimated Time of Arrival (ETA), Real Time of Arrival (RTA), Estimated Time of Departure (ETD), and Real Time of Departure (RTD). By optimizing ship arrival times at ports, this feature enhances efficiency, reduces waiting times, conserves fuel, and minimizes greenhouse gas emissions.

MIA platform is not just a standard Port Community System; it goes beyond with additional functionalities. It can be deployed as a standalone platform integrated with multiple port systems or as a tailored solution that incorporates Port Community System (PCS), Port Management Information System (PMIS), and Maritime Single Window (MSW) functionalities/modules in a seamlessly integrated manner.

Systems that make up the MIA orchestra

MIA platform works in harmony with 7 systems, taking into account the principles of transparency, simplification, and standardization.

TOS
Terminal Operating System

PMIS
Port Management Information System

PCS
Port Community System

NSW
National Single Window

VTS
Vessel Traffic Management System

EPS
E-payment System

CMS
Customs Management System

VTEK