



JOINT PRESS RELEASE

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The first phase of the pilot project was completed in recent days. The project, which is developed within European project FENIX (coordinated by ERTICO at European level and by the Ministry of infrastructure and transport as recipient through TTS Italia at a national level), concerns data exchange among all players involved in the Trade Lane and the interoperability of information systems of ports of La Spezia and Casablanca.

The project - thanks also to the MoU signed by the Port Authority and Agence Nationale des Ports (ANP) - involves Casablanca Terminal and Tarros Maroc, and aims to simplify and integrate information flows through the exploitation of Internet of Things (IoT), as well as to harmonize and digitalize the documentary flow between all players of the process through the exploitation of Blockchain and Artificial Intelligence.

Antennas, seals and readers are the “material” resources that allow faster operations. **Antennas** (please see related picture) are positioned near the gates to autodetect RFID seals placed on containers and control entrances.

Long Range **reader** working in UHF band can manage two antennas at the same time and offers a wide reading range.

IoT **eSeals** (please see related picture) have been installed by Tarros Group and Circle in the last few days on containers loaded onto trucks. ESeals have inside an RFID electronic component with a numbered sequence which allows immediate identification of each container.

Communicating with one another, antennas, readers and eSeals allow direct access to the terminal. Photocell at the gate can detect the numbering corresponding to the seal and identify the related manifest. This helps avoid any possible delay caused by inspections.

Moreover, Port Authority, Tarros Group and Circle are carrying out those activities necessary for ensuring early exchange of documents at port of arrival before the departure of the ship, as well as



for exploiting advanced digitalization Customs tools.

Recently, in particular, it has been developed a new system interconnecting IT platforms used by ports of La Spezia and Casablanca with those used by other players involved in the International Trade Lane.

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