

ShowCase

Rivalta Scrivia, the interport converted into Smart Factory

Products

Eureka Platform smoke detection systems, antintrusion, CCTV access control.

RIVALTA SHIPPING

R.T. LOGISTICS

New generation warehouses

Customer Assistance Services

Results

Greater security in the facilities, in the field of fire prevention, intrusion and access control.

Streamline delivery times.

Control and monitoring of merchandise.

Security and monitoring in terrestrial, maritime and air shipments.

Greater flexibility in customs procedures.

Introduction

Rivalta Scrivia is a company that operates in the logistics infrastructure sector and in the intermodality segment as the largest logistics infrastructure in Italy. Located in the center of the Milano-Genova-Turin industrial triangle, specifically in the province of Alessandria, it is controlled by the Fagioli group. Handles different types of goods, regulating the entire cycle: reception (by train or road), storage, possible processing, classification and final distribution.

The port of Rivalta Scrivia is a remote dock in the port of Genova, which can be easily fed from the Casellazo bormida loading zone (20 km from Rivalta Scrivia). The containers arrive at the port of Genova or another port in Liguria, and with a fast line, they reach the loading area of Castellazo Bormida, where they are finally transferred by road to Rivalta Scrivia for the necessary operations.

The company Rivalta Terminal Europe SpA is one of the main intermodal logistics operators in the national scope and manages the interport of Rivalta Scrivia, which is proposed as an ideal extension of the Liguria's ports, which is also equipped with a link to the network railway and is strategically located at the intersection of two European multimodal corridors of the Ten-T network (Mediterranean Corridor and Rhine-Alps Corridor).

Challenges

The management of the distribution cycle and the management of all the handling activities are guaranteed through the company's know-how, the plants, the IT structures and the owned warehouse management system. Therefore, its warehouses are dedicated to the different types of goods: reception, storage, customs procedures, reworkings, while the large spaces available guarantee the necessary organizational flexibility. In 2016, Rivalta participated in the UIRNET project to create a virtual platform for goods control and the connection between the main loading and unloading points.

This showcase has been collected in the framework of the Erasmus+ project *Internet of Things for European Small and Medium Enterprises* (pr. n° 2016-1-IT01-KA202-005561), funded by European Commission. For more information: www.iot4smes.eu

Legal notice: This publication / communication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Project Details

Different projects carried out by Rivalta Scrivia company and supported by other companies or furnitures of this. In Alessandria, Italy.

<https://www.rivalenterterminal.com/>

Rivalta Scrivia has specialized in particular in the processing of raw food products (for example: cocoa butter), in the packaging and grouping of goods destined for shopping centers in the large-scale retail trade. In its warehouses, you can find all the main "actors" operating in the "Do it yourself" sector that have found the ideal conditions to position their logistics. Integrated logistics has thus developed, since the logistics operator is entrusted not only with the handling and storage of goods but also with the distribution to the final user. Therefore, within the amount, special facilities have been created for carrying out these operations on the goods.

Solution

A.M. is an electronic services provider of the Terminal Europe of Rivalta Scrivia. This company operates in the field of installation, supervision, protection and maintenance of electrical data, security and system integration.

The company has provided the terminal with the following services:

- Bring together on the same platform, Eureka (Honeywell), smoke detection, anti-intrusion and CCTV access control systems. The objective of the supplier is to install automatic fire detection systems, inform in the shortest possible time of a fire in progress to favor the timely exodus of people and goods, activate intervention plans, activate fire protection systems and other possible security measures. For this reason, a perfect design of the detection systems, their installation and their constant maintenance over time is really important.

As for the anti-intrusion systems, the assets or the persons to be protected intervene in the choice of the system to be used. You have to evaluate the risk, the environment and other factors, and then choose products that, due to their technology, type, functionality, management costs and aesthetic impact, were suitable for this type of protection. Once chosen, it must be installed correctly by a technician. The possibility of connecting these systems with the police forces or private security institutes should be considered for a timely intervention in case of theft.

The control of access is made with cameras with CCTV system, which prefer the extreme sensitivity to light and great adaptability to situations of backlighting and difference of illumination.

- Centralization of plants in the same IP network, carried out with precision by AM Elettronica, with the realization of centralized analog / digital systems and hybrids in IP network.
- Ordinary maintenance programs must be maintained efficiently and must operate on all parts of the systems for the safety of people and property. Before the conscience or ignorance of the people, the laws can be used so that this does not happen.

This showcase has been collected in the framework of the Erasmus+ project *Internet of Things for European Small and Medium Enterprises* (pr. n° 2016-1-IT01-KA202-005561), funded by European Commission. For more information: www.iod4smes.eu

Legal notice: This publication / communication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

The Scientific and Technological Park Rivalta Scrivia was established as a Smart Factory in 2016, a startup with the aim of encouraging and enabling innovation always in progress and continue in the world of industrial automation, translating from theory to practice the expected benefits, promised and discussed Industry 4.0.

The most important services of the Interport of Rivalta Scrivia are your business card for operators and clients, being these six: 1) customs, 2) transport, 3) shipments, 4) storage, 5) logistics, 6) cad.

1) RIVALTA SHIPPING manages the flows of international goods, offering a service oriented to optimize the delivery time. The knowledge and experience acquired in the customs department are, in general, in the international forwarding activity. This activity offers the possibility of transferring data (forwarding) from one computer to another through a specific communication port. AND

2) RT LOGISTICS by Rivalta is a fleet of vehicles in continuous progress with respect to quality and organization, the capacity of the media, the software and the regularity with all regulations in force in Italy and in other countries. The fleet consists of vehicles equipped with anti-pollution devices Euro 4 and 5 that protect the environment and satellite locators in each vehicle. In this way, the client has the opportunity to know with absolute precision and in real time the location, location, coordinates, path traveled, speed, downtime, stops and deviations of the products of each order.

3) RIVALTA SHIPPING has the support of qualified airlines affiliated with IATA (International Air Transport Association), capable of offering a wide range of air shipping services to deliver anywhere. They have satellite-tracking devices.

4) New generation warehouses have been developed, that is, at room temperature and humidity, and storage areas have been expanded to room temperature and adequate space to store organic food.

5) The company has been authorized for the CAD procedure for approximately ten years. The Customs Assistance Centers, which are companies authorized directly by the Ministry of Finance to carry out customs operations in export, transit and importation. They use a domiciliation procedure that reduces waiting times for customs clearance. This provides a large amount of added value to the process.

References

- Rivalta informa Rassegna stampa, “Rivalta Terminal Europa SPA, la logistica che avanza”, notiziario 2016
- Ufficio di Controllo di Gestione, copia documento, “Rivalta – la città della logistica –”, Interporto di Rivalta Scrivia S.p.a. 2015