



Situated on the Vado Ligure Port in Savona, the multifunctional Reefer Terminal (GRUPPO GF) specializes in the logistics and handling of containers and vehicles that transport fresh vegetables and fruits. Handling operations include the shipment, unloading and stocking of products, downloading and uploading containers, customs accomplishments and transshipment. The vegetable and fruit sector is comprised mostly of bananas which constitute more than half of the fruit coming from Central America, South America, North and South Africa.

## The Challenge

Reefer Terminal determined that it needed to improve its speed of unloading ships. If the unloading speed is too slow, then high operational costs result – ships are docked for too long or ships are delayed in port leaving no room for incoming ships. Furthermore, slow unloading can hurt the quality of fruits and vegetables because they must be maintained under a controlled temperature.

Reefer Terminal also required a solution to track and trace products across its entire facility. The large size of the Reefer Terminal facility makes this task challenging, as do the harsh conditions that accompany the manufacturing facility, yard, distribution centre, and port.

## The Solution

To increase the speed of ship unloads, Reefer Terminal equipped its workers with Psion Teklogix rugged handheld and vehicle mount terminals. Workers efficiently collect data and easily determine product destinations at the Reefer Terminal facility.

The mobile computers provided to workers connect wirelessly and utilize a couple of different technologies, including Narrow Band. In the container warehouse, Narrow Band technology delivers a wider coverage range than traditional WLAN technologies and the speed of data transmission was not as critical.

## The Benefits

The Psion Teklogix solution implemented at Reefer Terminal has decreased operating costs since ship dock and delay times have been reduced. The increased efficiency of ship unloading operations has helped maintain proper controlled temperatures for fruits and vegetables. Further, Reefer Terminal has reduced repair and downtime costs of the devices due to the durability of the Psion Teklogix handheld and vehicle mount terminals.





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