

Company: Teknopalas
RFID

Application : Metal
Tank tracking

RFID Tag Supplier:
Confidex

Tag Model: Ironside
Range: 3 meters

Challenge:

*Monitoring current position of each tanks in factory and creating automatic billing system on delivery time

*Lost and stolen tanks were not able to be tracked with old barcode system

*Tanks are washed with composition acid and Confidex Ironside is the only tag that passed the tests.

Solution:

*Teknopalas used Confidex Ironside on metal tanks

*8 locations are monitored with uhf rfid antennas

*TPS software infrastructure was used to create tank tracking application.

Benefits:

*Accurate data collection

*Reduced people work

*Low cost system for tracking expensive assets



In AB Foods project, the challenge that they had was tracking metal Tanks in factory and improving visibility of transported tanks. Standard RFID tags could not be used on metal tanks which are Washed with composition acid at each returns from customers. With Confidex Ironside tags, result on each reading tests after each process on tags were satisfactory.

After pilot application, each tanks were tagged with Ironside from top. Passive UHF RFID antennas were bracketed on top of each virtual locations to get proper signal from Ironside that pass through gates.

Data received from readers are annotaed by the software created by Teknopalas to give some reports to production managers to let them know where is the product's last seen gate. Each tags are recorded when they pass shipment gate to avert wrong shipment problems. Datas collected from interrogators make possible to track the tanks are sent to which customer.



*The tanks are used for carrying **liquid eggs** to be used by biggest cake producers in Turkey*