

Monitoring toxic waste collection

Toxic waste removal is a subject that it's not easy to discuss, to manage and to control. However, it's there, almost in every factory. It's practically sub-product of the production process.

Iscar (www.iscar.com) is probably one of the largest production facilities in Israel and one of the largest in the world for design, develop and production of metal cutting tools and many other metal made special tools and items.

For Iscar, the need to provide safe, controlled and fast process for removal of toxic waste is part of the company culture and a basic requirement.

In each and every department there is a large container that all toxic waste is been delivered inside it. Once the container is full or by predesigned schedule its been taken to a central location were the liquid toxic waste is been collected into a central large container and been taken to national toxic waste center.

It is essential that the process will be monitored automatically, that it will run as hand-free process and to able to control the frequency and amount of toxic waste that it's been disposed from the departments to the central waste container in each plant.



Galbital designed unique RFID based solution starts from tagging each department container with RFID tag and through design and implementing the “*All-weather-al-lin-one*” system, system s/w and interfacing to Iscar’s main control system.

The central waste container site is equipped with reading systems that identify the arriving dep container. Only when it’s been identify and confirmed, the system automatically turn-on to remove the toxic waste to the main container.

The RFID system are been connected to Iscar’s main control system that identify the container arrival and then response automatically to allow hand-free operation.



The data is been stored in central data base that presents to Iscar the required information per department, per dates, per plant and many more.

Galbital designed, supplied and installed the system first generation during 2008 and during summer 2013 it’s been upgraded to Gen 2.

Galbital experience in control and manage waste systems (City of Risoh-lezion, Amnir, Ella) helped to design and implement Iscar system successfully.

More information can be provided by:

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