

CHEMICAL PLANT

ACTIVITY:

Dry Ice Blasting

LOCATION:

Chemical Plant of Castellon - Spain

FINALIZATION: August 2012

CONTEXT:

Engine room, electrical and mechanical parts (various manometers and gauges) required to run the facility, which had chemical waste contamination because of the escape of waste with dirt, strongly adhered to the metal components.

Taking into consideration the type of room and facilities, it's recommended the use of Dry Ice Blasting system, as this is a friendly system environment and neither dangerous for the work equipment nor for the area of operation.

With dry ice blasting we:

- Minimize risk
- Reduce working time
- Reduce costs compared to other systems as abrasive blasting, chemical or water pressure.

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DESCRIPTION:

Dry ice blasting: Industrial cleaning with CO₂ projection, by projecting on dry ice at low temperature and at a speed that generates nonabrasive disintegration of accumulated dirt from the surface, transforming the ice (after projection without passing through the liquid state) in a safe and non-flammable gas. It is an effective, safe and respectful environment cleaning.

With dry ice blasting works of elimination of contaminants and dirt were easily performed without generating or increasing waste, ie, the only residues that exist during these cleaning performances are those removed from the support.

The industrial dry ice blasting system was the ideal considering the characteristics of the facilities and the proximity of electrical installations.

