

CARBONIC INTERNATIONAL brings BLAZTCLEAN™, the only "Zero Discharge" cleaning technology to the GCC



Dr. Sharokh Engineer (on the right) with Mr. Prodeep Mookerjee

Dubai, UAE - Feb 18, 2006 (PRN): Worker health and safety issues in the industrial cleaning business must be viewed in the broader perspective of environmental concerns engaging industry and governments worldwide. The focus is on toxic substances traditionally used for industrial cleaning and their wide-spread, unregulated use in many parts of the world.

Legislation and international initiatives are pushing the development of environmentally safer ways of cleaning industrial and infrastructural facilities, the ideal being a "Zero Discharge" technology which is an economically and environmentally acceptable alternative to traditional methods.

"Cleaning with Dry Ice is the only Zero Discharge technology today" says Dr. Sharokh Engineer, Chairman of Carbonic International, "and we are the first company to make it available for general application in the UAE. By the year end, our BlaZtclean™ concept will encompass the GCC through franchisees in each country".

"The most common industrial cleaning methods used today are hazardous, wasteful and polluting. On the one hand we have conventional blast cleaning where potable water or metal oxides are used to remove oils, grease and accumulated dirt and even paint from machinery and equipment. On the other, hydrocarbon solvents ranging from familiar materials like petrol and kerosene to hydrochlorofluorocarbons, nonylphenoethoxylates, trichloroethane, methylene chloride, tetrachloro-ethylene, trichloroethylene, methyl bromide and other specialized materials are used. The resultant discharge from all these methods constitutes a toxic, bio-accumulative, carcinogenic cocktail that is impossible to safely dispose" says Prodeep Mookerjee, GM & Director Operations Carbonic International. "Many businesses don't even realize the hazardous consequences of their cleaning methods and their contribution, year after year, to the cumulative degradation of our environment."

The new generation of cleaning technology uses Dry Ice as a Zero Discharge media to blast clean and is increasingly used in a variety of industries as the preferred method of cleaning. The airlines sector, construction companies, printing presses, food industries, rubber products producers, aluminium manufacturers, the automotive industry, glass producers, paper and packaging industries and ship maintenance yards, are just a few of the industries and applications that are adopting this cleaning method.

This unique concept involves the use of dry ice, which is propelled at supersonic velocities to impact and clean a surface. On striking the surface it lifts away the contaminant whether it is rubber or plastic residue, release agents, dirt, paint or other unwanted material. The dry ice then sublimates and disappears, so secondary waste is nonexistent. The primary contaminants like dirt and grease are easily swept away or vacuumed. There are other significant advantages. Dry Ice cleaning is electrically non-conductive, there is minimal danger of equipment damage and downtime is dramatically reduced; jobs that once took days may now take only hours with no post-treatment cleaning.

Dr Sharokh points to the particular advantages that Zero Discharge cleaning offers to the Gulf. "BlaZtclean™, our new Dry ice blast cleaning service, provides an eco-friendly, non bio-accumulative solution to a region that is characterised by a fragile eco-system, limited potable water resources and a high degree of environmental awareness. This technology makes it feasible for companies and municipalities to conform to current and future legislation while saving costs."

The company's state of the art new facility is located at the Jebel Ali Free Zone, Dubai City, UAE.

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