

# DRY ICE

## ADDING COOLNESS TO NEARLY EVERYTHING

### What is Dry Ice?

Dry ice is the solid form of carbon dioxide (CO<sub>2</sub>). It doesn't contain any water and has a constant temperature of -78,5°C (-109,3 °F). It is formed from liquid carbon dioxide, which turns into carbon dioxide snow when released under ambient pressure. This is pressed in block or pellet form. Dry ice does not occur naturally on earth, but is produced artificially. Dry Ice doesn't melt but evaporates residue-free. Also it is non-toxic, odor- and tasteless, as well as bacteriostatic and fungistatic. These properties allow multiple applications.



### What is Dry Ice Used for?



#### Food Industry, Gastronomy & Catering

- Maintain the cold chain during transport of frozen and fresh products
- Direct cooling of meat, fish, eggs, etc.
- Food and drinks cooling, e.g. on buffets, on-board, catering

#### Medical and Pharmaceutical industry

- Shipping of sensitive products, e.g. blood preserves or organs
- Permanent cooling during storage of pharmaceutical products, histological and diagnostic preparations, samples, etc.
- Rapid cooling in the laboratory



#### Events

- Floor fogging effects are created with hot water which is poured on the dry ice
- Boiling, bubbling water in movies is created dry ice in water

#### Industrial Use

- Cleaning of sensitive surfaces through dry ice blasting
- Cooling of IT equipment and engines
- Metal industry: cold shrinking / cold stretching of metal parts, axles, shafts, etc.
- Pipeline construction, heating technology: Pipe freezing

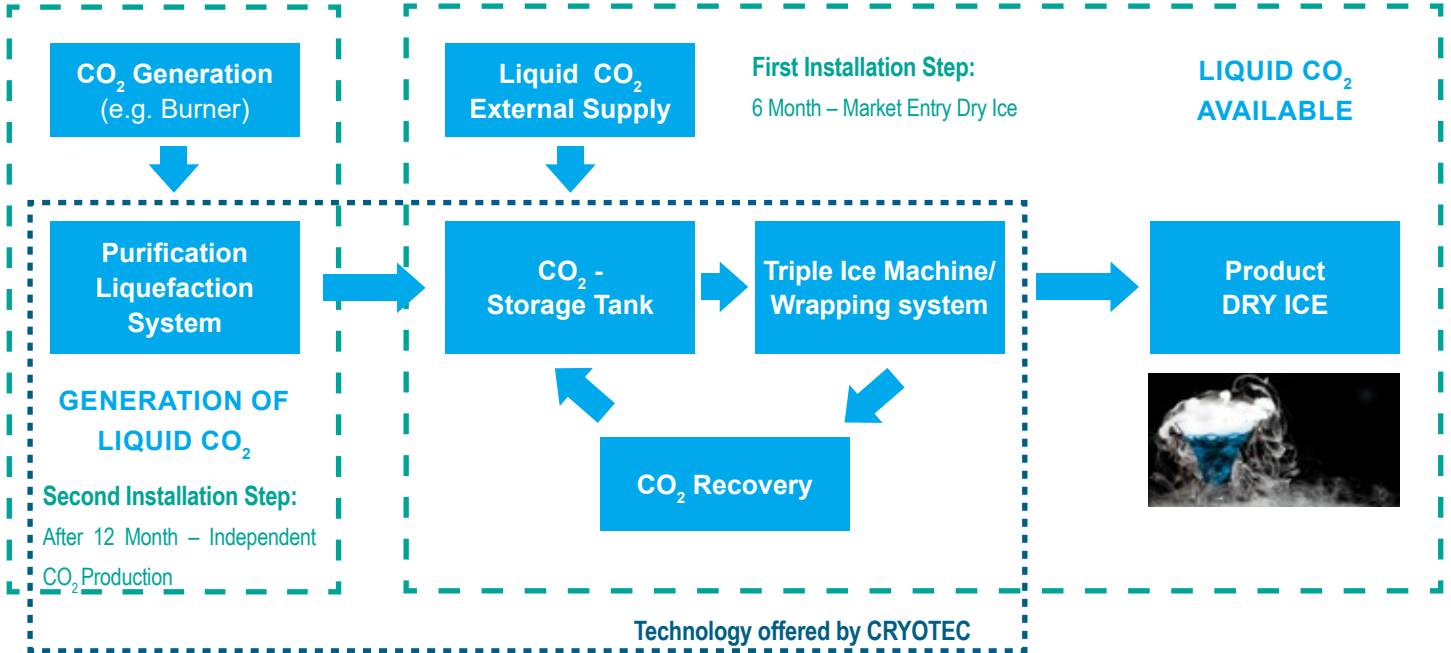


## DRY ICE PRODUCTION GENERAL OVERVIEW



**COMPLETE PACKAGE CAN BE DELIVERED BY CRYOTEC ANLAGENBAU GMBH**

(Return of investment within 2 to 3 years - depending on local conditions)



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