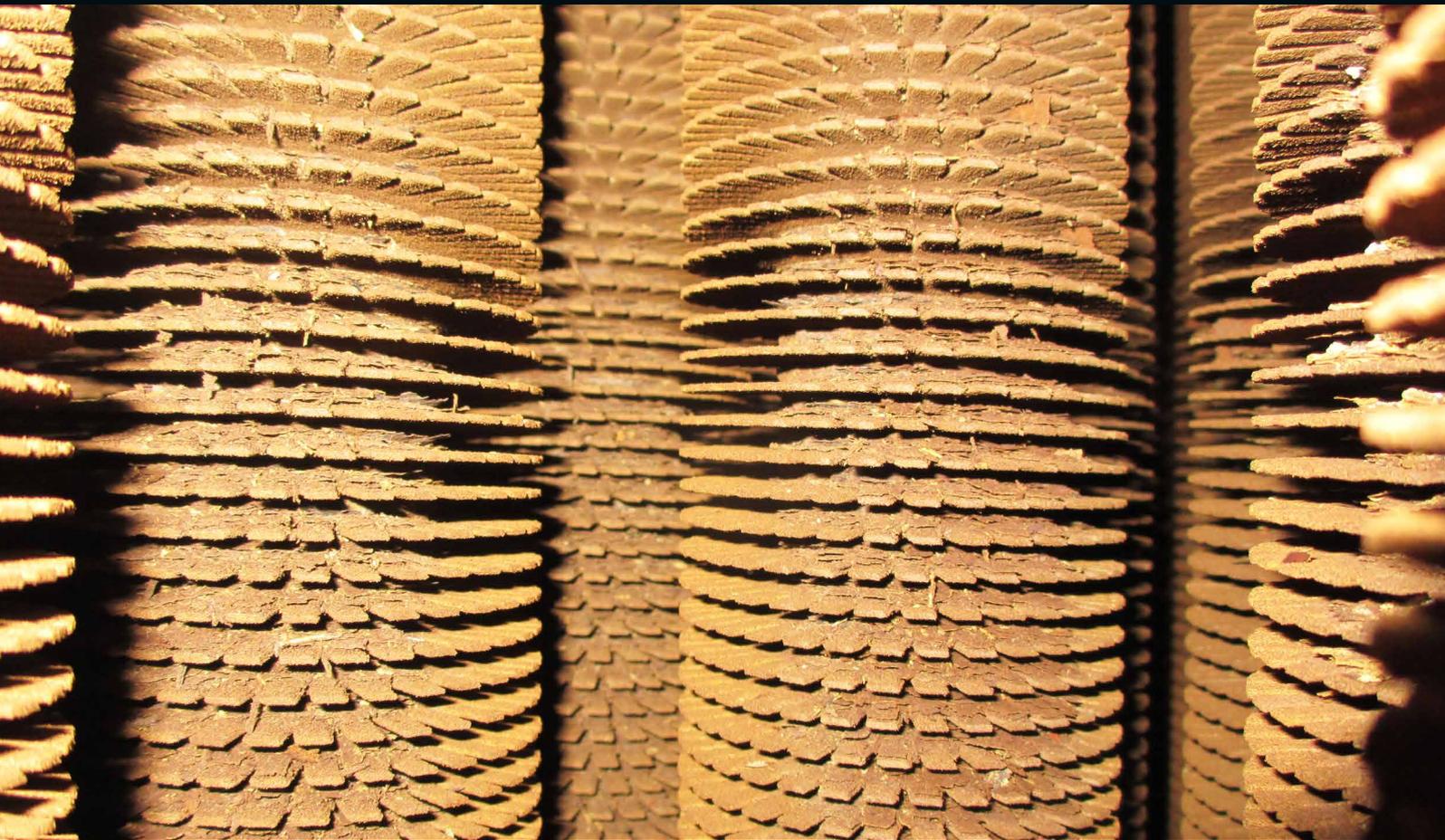




# **POLARICETECH**

**Dry Ice Blasting Specialists**



**CLEANING HRSGs  
WITH DRY ICE BLASTING**

**[www.polaricetech.ie](http://www.polaricetech.ie)**

# CLEANING HRSGs WITH DRY ICE BLASTING

- **Non abrasive**
- **No secondary waste stream**
- **Ideal for surface preparation pre-NDT of tubes**
- **Faster, effective clean**
- **Eco-friendly, sustainable media**

To work effectively, clean fins are crucial in HRSGs to ensure maximum efficiency. Over time, contaminants such as sulphur and rust residue accumulate, reducing the transfer of heat. The corrosive nature of sulphur reduces the integrity of tubes. This reduces the efficiency of the process.

An environmentally friendly and sustainable solution for cleaning, Dry Ice Blasting restores lost performance in HRSGs. Dry Ice Blasting also can reduce the HRSG's back pressure, which recovers lost MW capacity and improves performance.

Alternative methods such as 'Bang and Clean' and sandblasting can damage tubes and fins, and can result in tube failure. Dry Ice Blasting is a technically innovative and effective cleaning solution.

Dry Ice Blasting effectively removes dangerous contaminants, such as sulphur, ensuring a safer environment for inspection and works.

## How is Dry Ice Blasting suited to cleaning HRSGs?

Dry Ice Blasting is a non-abrasive process, therefore it will not pit or damage the integrity of tubes or fins. It effectively removes contaminant build up and provides a superior clean.

Dry Ice Blasting also increases the lifespan of the tubes, as the integrity of the metal is being maintained and not abraded. As Dry Ice Blasting does not contribute to any further corrosion, expensive repairs and upgrades are avoided.

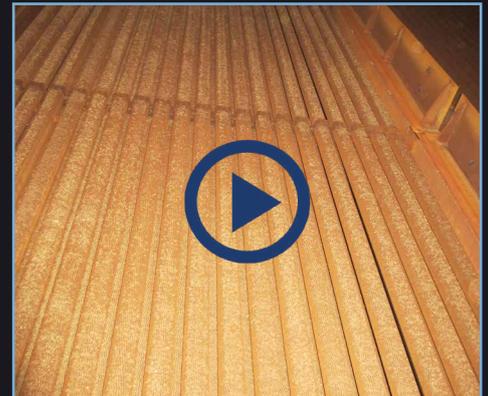
With Dry Ice Blasting, there is no secondary waste stream produced, as Dry Ice sublimates from solid to gas. This means necessary downtime is greatly reduced, as time needed for clean up after Dry Ice Blasting is minimised, with only primary waste to be cleared.

The lack of a secondary waste stream also greatly reduces cost, as only the primary contaminant needs to be disposed of.

Dry Ice Blasting is also ideal for surface preparation of tubes pre-NDT. Alternative methods of surface preparation, such as grinders, can be insufficient at effectively preparing the surface, while taking a considerable amount of time to carry out. Dry Ice Blasting effectively prepares the surface pre-NDT at a much faster rate.

## Who are Polar IceTech?

We at Polar IceTech are solutions providers that specialise in Dry Ice Blasting, working with industry to clean high-value assets efficiently. We have nearly 15 years of experience working with leading global companies and providing eco-friendly cryogenic cleaning solutions to suit their business needs.



[CLICK THE IMAGE TO WATCH A RECENT HRSG PROJECT](#)

Polar IceTech have been successfully working with engineers in CCGT power plants since 2013.

We work with companies such as ESB, Energia, Mitsubishi and Stork, as well as main contractors for shutdowns, to ensure their maintenance downtime is minimised and while providing them with superior results.

[Learn more about Dry Ice Blasting](#)  
[www.polaricetech.ie](http://www.polaricetech.ie)



HRSG FIN TUBES BEFORE AND AFTER DRY ICE BLASTING

Multi Award Winning Company



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