

# DRY-ICE SCOTLAND

## Precision Blasting & Cleaning Solutions

Dry Ice Blasting is the process of using solid CO2 pellets under high air pressure to remove various contaminants. **Dry Ice Scotland have pioneered the development of this technology for the removal of heavy corrosion, epoxy coatings, PFP coatings and hard scales.** Dry Ice Scotland have developed the world's first corrosion removal system using dry ice, the world's first mobile high-density dry ice production system and are pioneers in offshore dry ice blasting projects.

Dry Ice Scotland supplies equipment, training, consumables and (where required) advice and expertise. All equipment is compliant with offshore lifting requirements and our blasting equipment is certified for use in Zones 1 and 2.

### Surface Preparation

Recent tests have achieved the following results, following blasting with our system:

- Cleanliness inspection – in line with SA2.5 standard
- Profile reading – 70 microns after blasting Cat D corroded surface
- Salt readings – 0 after blasting the above
- Adhesion tests – readings of 15-27MPa achieved on the above surface after recoating

### Cost and Time Savings

Our technology achieves significant savings due to the reduction of site preparation, clean-up costs and waste disposal costs.

### Safety and Environment

Our technology is safe to use, with reduced hazards to the operator and surrounding environment. The CO2 we use comes from recycled sources.



### Track Record

Our client list includes the following:

- Shell
- Total
- Valero
- Nexen
- EnQuest

### Case Study

The table below documents a recent case study and the savings that were achieved. The time savings were realised through the lack of encapsulation and clean-up, completing the scope in just under 25% of the time for traditional methods.



Activity	Grit Blasting	DIS System	Time Saving
Encapsulation	4.5 hours	0.2 hours	4.3 hours
Blasting	2 hours	2 hours	0 hours
Clean Up	2 hours	0 hours	2 hours
Total	8.5 hours	2.2 hours	6.3 hours