

Case Study

SLEIPNER T

TANK BLASTING

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# OXIBLAST: AN AUTONOMOUS, SAFE, AND EFFICIENT PRECISION BLASTING SOLUTION

## Maximizing HSE Benefits and Reducing Worker Exposure

- Removing personnel from hazardous environments
- Autonomous operations reduce strain, hearing risks, and fatigue
- 75% reduction in labor hours
- Lower environmental impact

## CHALLENGE

A 156 m<sup>2</sup> closed drain tank suffered from corrosion and coating cracks. Manual blasting posed high noise exposure and ergonomic risks, conflicting with health regulations limiting worker time in hazardous environments.

## SOLUTION

Pipeliner conducted a 3D scan, enabling the Oxiblast robot to autonomously execute precision blasting. This job was completed with a crew of 3 instead of the traditional 12, minimizing personnel exposure.

## RESULT

**Reduced Worker Exposure:** Crew size cut from 12 to 3, significantly lowering health risks.

**Noise & Ergonomic Safety:** Personnel removed from high-noise zones, eliminating strain and hearing damage risks.

**Efficiency & Cost Savings:** Automated blasting reduced labor hours by 75% while ensuring consistent quality.

**Environmental Benefits:** Lower abrasive material usage and reduced energy consumption.

## REMOVING PEOPLE FROM HAZARDOUS ENVIRONMENTS



Autonomous  
robot operations



Reduced  
carbon footprint



Reduction in  
Personell on board



5x efficient  
cost & time



Efficiency,  
capability & certainty