

# HYDROBLASTING SERVING THE OIL & GAS INDUSTRY IN NIGERIA

## Introduction

M&R Integrated Services Ltd is a specialized corrosion protection and steel fabrication company based in Warri, Nigeria has roots going back to 1991. We have recently expanded into providing hydro-blasting services to the Oil & Gas Industry. Our dust and spark free blasting systems provide a cost effective alternative to conventional dry abrasive blasting.

## Hydroblasting services

M&R provides coating & corrosion removal, descaling & industrial cleaning with our UHP (Ultra High Pressure) water-jet equipment with pressures up to 2,800bar and apply any coating application thereafter when required. Our Blasting units enable us to remove any coating, taking the substrate back to its original profile, and unlike other "traditional" surface preparation methods, ensuring the surface is completely contaminant free.



We take safety as our top priority due to the huge pressures involved and all our personnel are equipped with body armor protective clothing.

In our waterside based yard we have road-transportable NLB Model 4075D Water-jet systems which combines the power of UHP water-blasting with the dependability of a slow-running plunger pump design that has been proven in countless applications for over 35 years.

Abrasive blasting creates several environmental and health and safety issues, it creates a cloud of dust, covering everything in the vicinity with a fine abrasive layer of dust, resulting in grit in the working area, with possibilities of contaminating the local area and waterways.

UHP jetting systems creates a complete dust free working environment and allows other contractors to work in close vicinity. Oil, grease and salt contaminants are removed completely. Consistently, UHP water jetting will produce a surface finish equal to or better than a dry abrasive blasted surface.

Probably one of the most significant benefits of water blasting is that once water blasted at Ultra High Pressure the surface is free from Non Visible Contamination (Chlorides, salts of Ferrous Oxide and Ferrous Chloride). This chemical free surface offers perfect condition on which to apply the chosen corrosion protection coating. Having a chemically clean surface means that any coating or lining material will bond more effectively and failure frequency is dramatically reduced.

UHP Water Jets prepare steel surfaces to ISO 8501-4 standards and Wa2½ surface finish is easily achieved.



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