

**KROD **ENERGY****  
**RESOURCES LIMITED**  
**(KERL)**

**Industrial Cleaning &  
Decontamination Services**

**KROD **ENERGY** RESOURCES LIMITED**  
**TDU, Incinerator, Cleaning &  
Decontamination, E-waste Services**

**OUR MISSION: To facilitate Industry and Man co-existence in safe Environment.**

To be the Industry's leading provider of Waste Management and Industrial Cleaning services that eliminate clients' exposure and protect the environment through:

- Adherence to best practices;
- Consolidation of experience; and
- Improvement aimed at adding value to our clients businesses and public life.



**CORE BUSINESS VALUE**

**Professionalism** (integrity; expertise; and standard)  
**Innovation** (a solution that is simple and efficient)  
**Commitment** (to safety; environmental protection; quality, and compliance to law).

## Hazardous Waste Management & Industrial Cleaning Company:

### Thermal Desorption

- ✓ Drilling waste, Oily Sludge, & Oil contaminated Soil

### Waste Incineration

- ✓ Medical Waste, Chemical Waste, & other Hazardous Wastes

### Industrial Cleaning & Decontamination

- ✓ Water Jetting, Tank & Vessel, Heat Exchanger Cleaning, Asbestos Man

### E-Waste Management

- ✓ Office and Communication Equipment, Large & Small Household Appliances

### Waste Management Consultancy

- ✓ Waste Audit, Pollution Investigation, & Trans boundary Movement of Waste

- Incorporated as a Waste Management Firm
- Providing Waste Management Consultancy Services
- Providing Waste Facility Construction and Management services to Clients

### 2006 – 2015

- Installed a 10ton/hr TDU Facility
- Started Hazardous Waste Management
- Added Cleaning & Decontamination Services
- Converted to a Public Liability Company

### 2016 – Forward

- Installed an E-Waste Management Facility
- Development of Incineration Facility ..
- Listed in Nigerian Stock Exchange Market

### Headquarter:

Plot 53, Amadi Ama Extension  
(By Trans Amadi Industrial Layout Port Harcourt), Rivers State, Nigeria

## Thermal Desorption Services



### 10 tons/hr Indirect Thermal Desorption Plant



Up to 96% hydrocarbon recovery



less than 4ppm of oil in recovered water



3-stage Vapour Recovery System



Waste pit storage capacity of 1200tons



Digital weighing platform



100 Percent Regulatory compliant



Treatment of:



Drill Cuttings



Oily Sludge



Contaminated Soil



Spent catalysts used in oil refineries



## Hazardous Waste Incineration



3tons/hr Capacity Rotary Kiln Incinerator



Bi-chamber Incinerator capable of attaining 900°C & 1200°C and 2seconds residence time in the Secondary Chamber



Activated Carbon & Wet scrubbing Systems



Continuous Emission Monitoring System



The Incineration Plant handles:



Hazardous Waste



Chemicals



Solid & Liquid Waste



Refining Residues



Medical waste



Sludge

E-Waste | Incineration | TDU | Cleaning & Decontamination | Consultancy Service

## E-Waste Management



tons/hr E-waste Processing Plant



We process all types of e-waste including:



Large Household Appliances



Small Household Appliances



Office and Communication Devices



Lighting Equipment (fluorescent tubes, lamps)



Ozone Depleting Substances (CFC & HCFC)  
Recovery Capability



Cathode Ray Processing



Printed Circuit board (PCB) Processing



Cable Recycling

## Cleaning & Decontamination



Vacuum Transfer System (VTS)



Remote Pipe and Sewer Cleaning Unit



Ultra/High Pressure Jetting systems (UHPJ & HPJS)



Non-Man Entry Automated Tank Cleaning Systems (NEATS)



With these Systems we cleaning:



FPSOs, Tanks, and Vessel Desludging



Surface Cleaning



Crude, Chemical and Product storage Tanks



Heat Exchangers Tube and Fins Cleaning



Pipelines, and Sewers Cleaning

## Waste Management Consultancy

- ❖ Trans-boundary Movement of Waste
- ❖ Pollution Investigation
- ❖ Remediation Planning
- ❖ Waste Auditing
- ❖ Facility Design, Construction, & Operation



Nigeria

**Operational Base:** Rivers State, Port Harcourt

# **Industrial Cleaning & Decontamination**

- **Surface Cleaning**
- **FPSOs, Tanks, and Vessel Desludging and Cleaning**
- **Non-man Entry Automated Tank Cleaning System (NEATS)**
- **Heat Exchangers Tube and Fins Cleaning**
- **Pipelines and Sewers Cleaning**





## Super Max Automated Cleaning

NAME:	Slug Catcher Waste Management
CUSTOMER:	Baker Hughes/NLNG
PROJECT:	Pipe Cleaning
INDUSTRY:	Waste Management
LOCATION:	Bonny
TECHNOLOGY USED:	
Training DATE:	2017



## Evacuation of Waste Oil:

- Cleaning of separators tanks
- Incinerator Management of waste oil

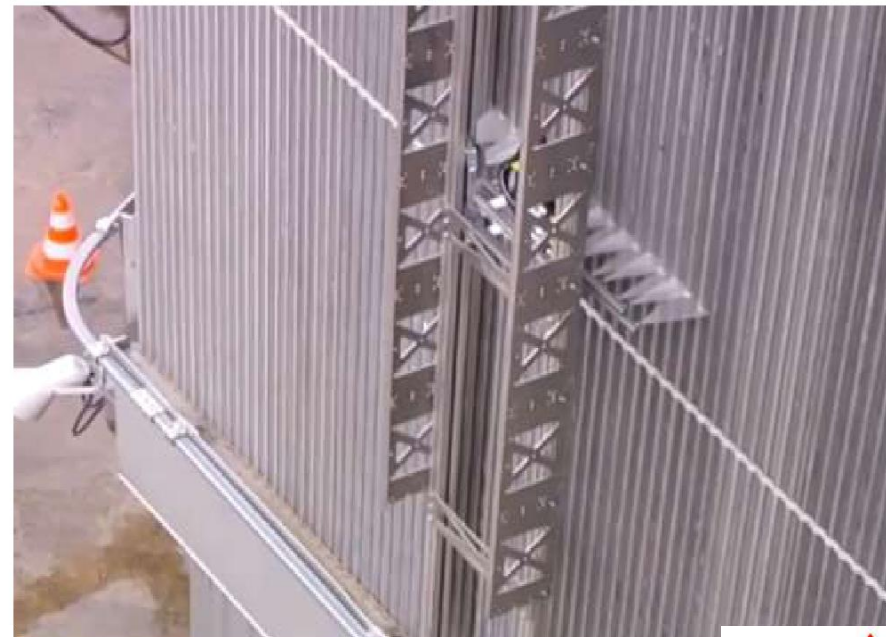




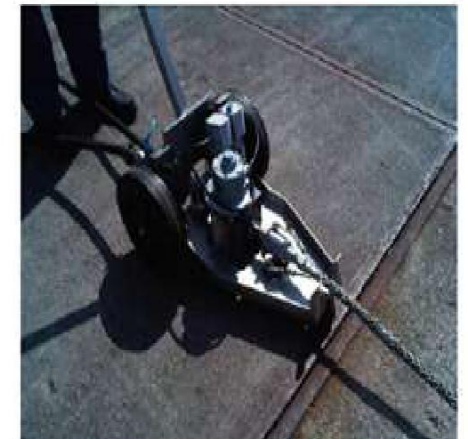
## Desludging of API Separator

CUSTOMER NAME:	Port –Harcourt Refinery
END CUSTOMER:	Port –Harcourt Refinery
PROJECT SIZE:	2 Separators
INDUSTRY:	Oil & Gas
APPLICATION:	
LOCATION:	Nigeria
TECHNOLOGY USED:	Centrifugal Pumps
DATE:	2016

## Heat Exchanger Cleaning Technology:



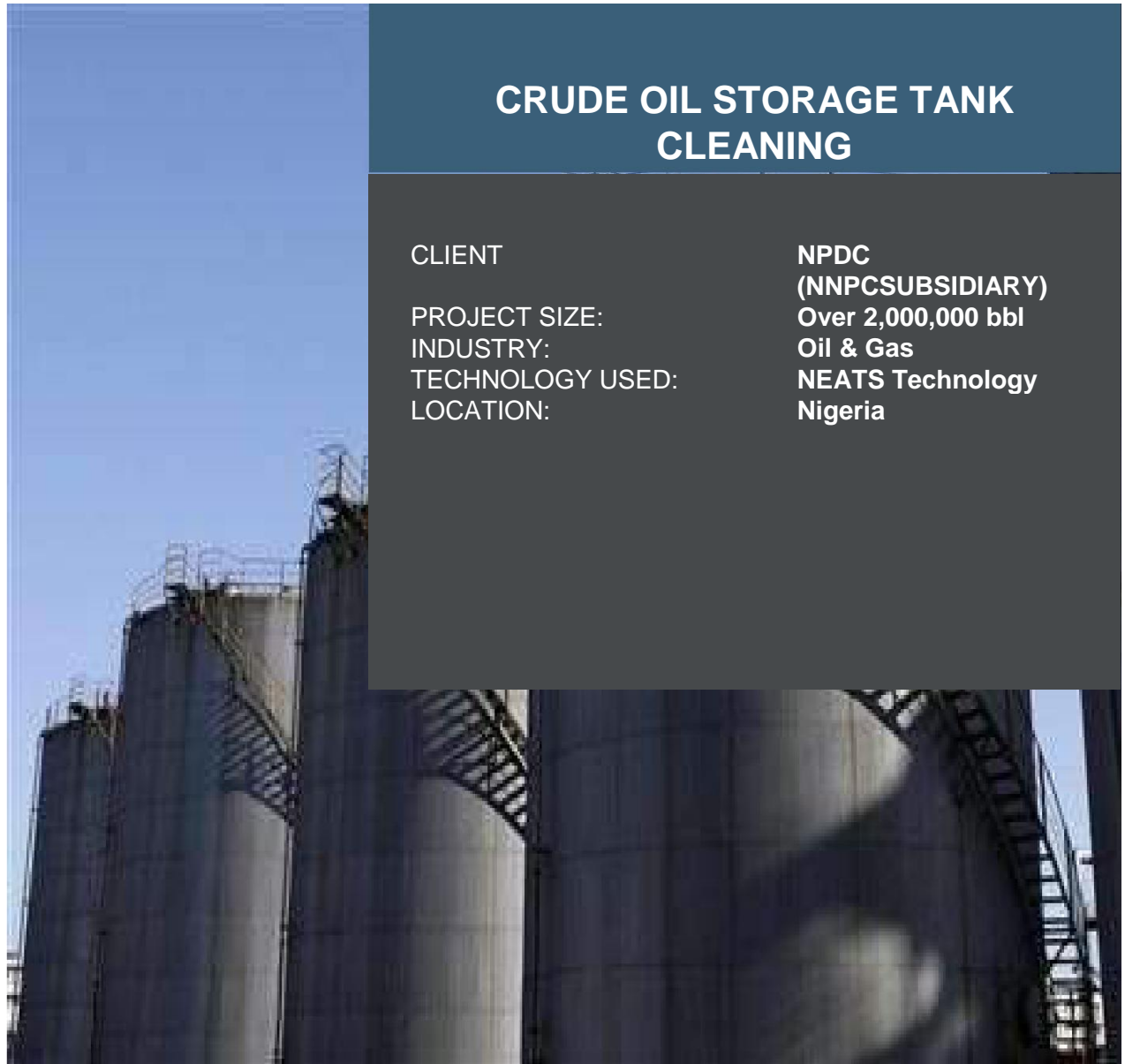
### Drainage Cleaning Using High Pressure Water Jetting System:





**Non-man Entry Automated Tank Cleaning System (NEATS)**





## CRUDE OIL STORAGE TANK CLEANING

CLIENT

NPDC  
(NNPC SUBSIDIARY)

PROJECT SIZE:

Over 2,000,000 bbl

INDUSTRY:

Oil & Gas

TECHNOLOGY USED:

NEATS Technology

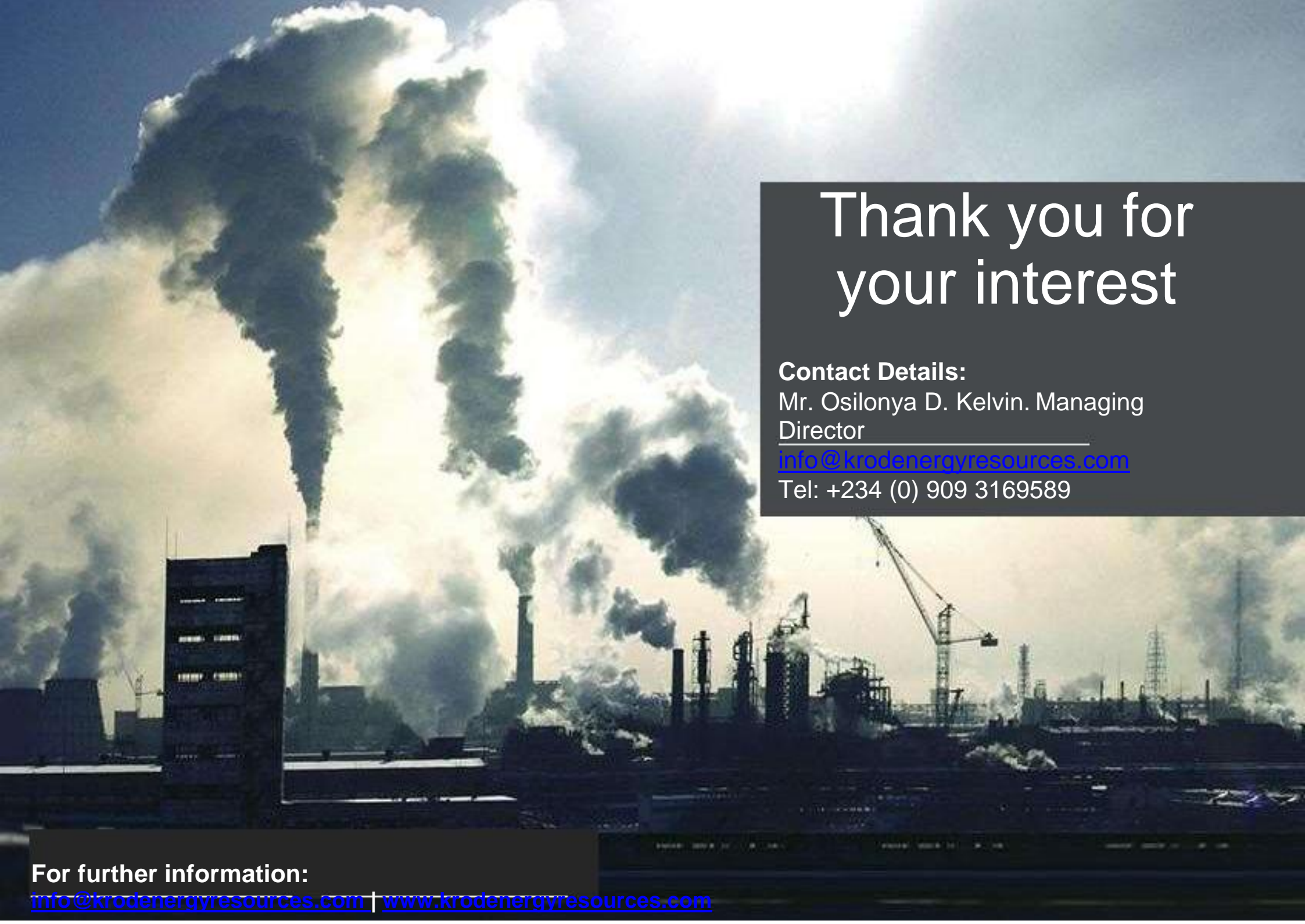
LOCATION:

Nigeria



## FPSO Cleaning

NAME:	<b>Trinity Spirit</b>
CLIENT:	SPECO
PROJECT SIZE:	FPSO Cleaning
INDUSTRY:	Oil & Gas
TECHNOLOGY USED	NEATS (Non-man Entry Automatic Tank cleaning System)
LOCATION:	Nigeria



Thank you for  
your interest

**Contact Details:**

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