



# Pimo Services Ltd (PSL)

## Capability Presentation

2022





# Our Products & Services

- **Tubular Running Service (TRS)**

- Top Drive Casing Installation Systems – CRTi (*Casing Running Tool Internal*)
- Conventional Casing/Tubing Installation Service



- **Conductor Piling Service (CPS)**

- S90 & S-200



- **On-Site Machining Service**

- Cold Cutting & Beveling

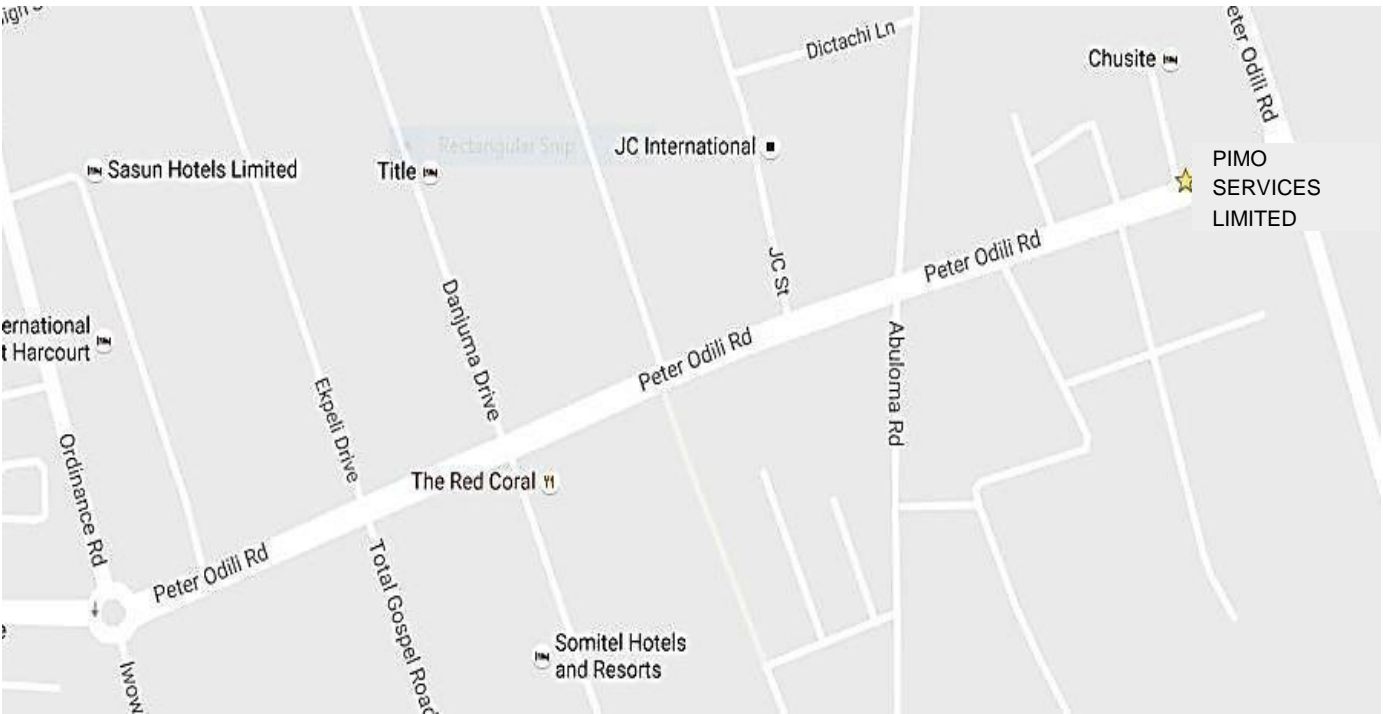


- **Casing & Cementing Accessories**





# Our Locations



Head Office: 207/209 Peter Odili Road, Port Harcourt, Rivers

Lagos Office: 5 Idowu Taylor Street, Victoria Island, Lagos



# Our Clients



## Brief Introduction

PIMO Services Limited is a Nigerian owned company with over 20 years industry specific experience. Our vision is driven towards customer satisfaction and to be a top-class energy service company.

As a solutions provider, we work with our clients to meet both technical and budgetary requirements for every project. People, Safety and Technology are at the forefront of our operations.

Pimo Services Limited is ISO 9001:2015 and ISO 14001:2015 certified



# Tubular Running Service

## CASING/CONDUCTORS

6-5/8" OD to 42" OD

Premium and API connections

CRA & Carbon Grade Casing

Threaded, Coupled, Flush & Semi-flush Tubular

## TUBING

2-3/8" OD to 5-1/2" OD

CRA & Carbon Grade Tubing

Dual / Single String

Threaded, Coupled, Flush & Semi-flush Tubular





# Running Casing – **The HSE Challenge**

The most hazardous activity on a drilling rig still remains **CASING RUNNING** operations

**Less than 10% of  
well cycle time**

**Greater than 10% of  
injuries sustained**

**Greater than 50%  
of drilling fatalities**

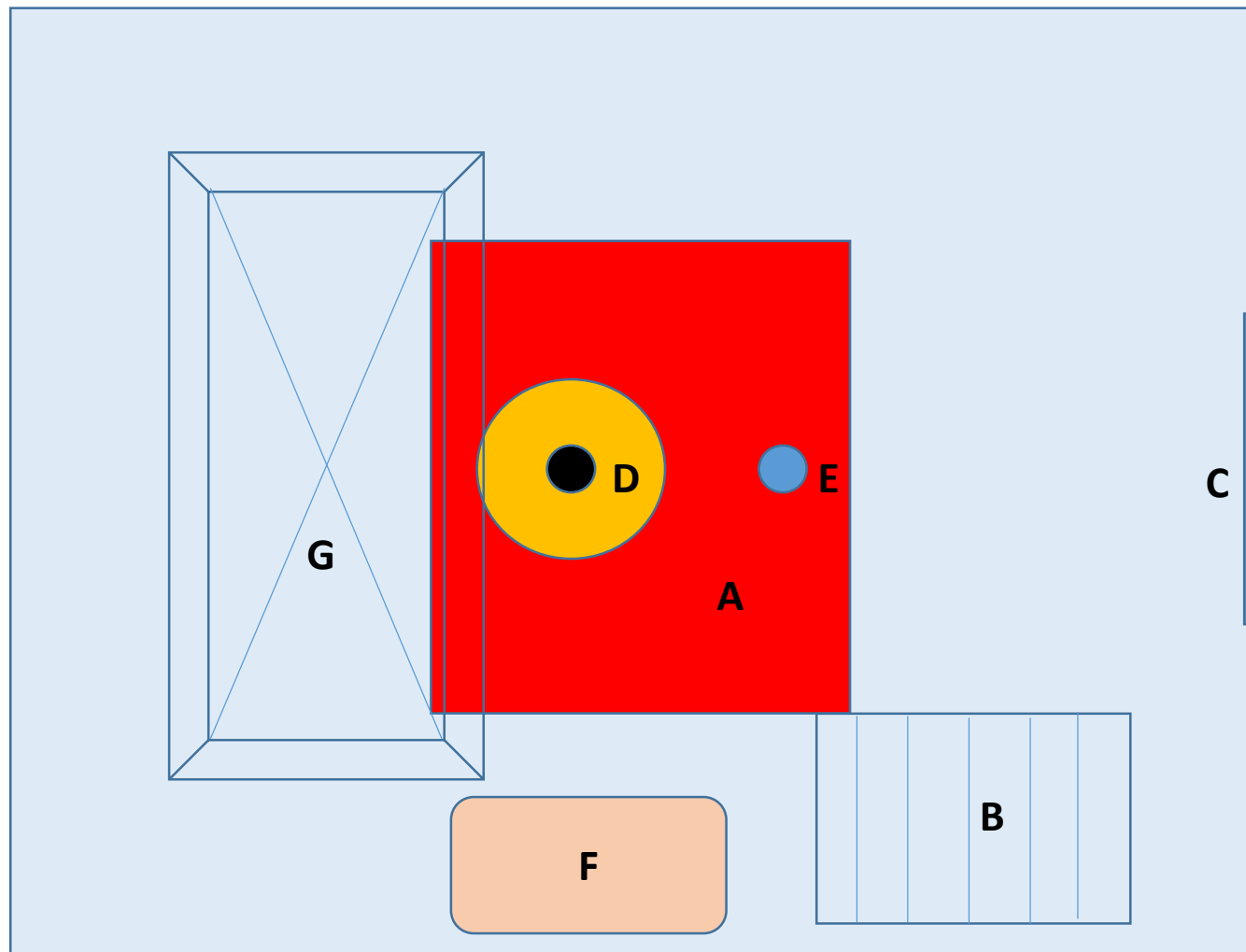
Source: Helmerich & Payne, Inc. (H&P)

- Dropped objects during rig up, running and rig-down from casing operations
- Pinch-point hazards between rig components and conventional casing running equipment
- Falls from Heights or Stabbers struck by traveling equipment
- Struck by equipment travelling/moving equipment



# Rig Floor Layout

- A** Red Zone
- B** Rack Back Area
- C** V-Door
- D** Rotary Center
- E** Mouse Hole
- F** Drillers Console/Dog House
- G** Derrick





# Who is Most at Risk?

Casing Stabber



Casing Tong Operator



Personnel on the rig floor





# Technology

## Using Technology to Reduce / Eliminate Risk



The use of a CRTi challenges traditional casing running methods and promotes a positive fundamental change in tubular running behaviors

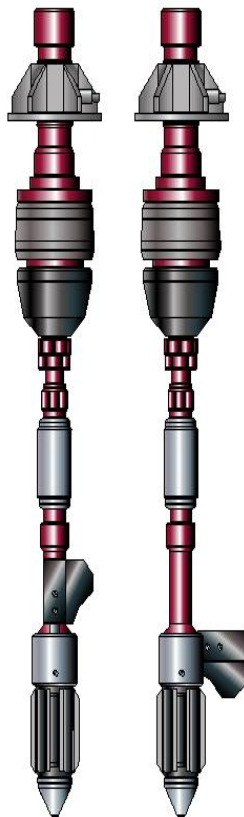


# TRS Capability – Top Drive Casing Running System: Volant CRTi

- Ability to simultaneously rotate, reciprocate and circulate ensures casing gets to TD.
- Easy & Quick Rig up and Rig down – Fewer equipment.
- Conventional equipment replaced by innovative technology - No Fill-up tool, Spider Elevator, Power Tongs
- Safer casing running environment - Lowers risk of personal injury significantly
  - Excellent line of sight
  - No Stabber/Tong Operator
  - Fewer personnel on the rig floor for casing running operations
  - Direct communication during casing run



With CRTi





# Volant CRTi

## Tool Model: CRTi2-8.63 Specification Summary

### Base Tool Characteristics<sup>1</sup>

CRTi Rated Load Capacity	Hoist	ton (tonne)	660 (599)
	Torque	ft.lbs (N.m)	85,000 (115,245)
Combined Load Large Hoist	Hoist	ton (tonne)	575 (522)
	Torque	ft.lbs (N.m)	40,000 (54,233)
Combined Load High Torque	Hoist	ton (tonne)	475 (431)
	Torque	ft.lbs (N.m)	70,000 (94,907)
Set-Down Load Capacity <sup>2</sup>		ton (tonne)	110 (100)
Typical Circulation Pressure Limit <sup>3</sup>		psi (MPa)	5,000 (34)
Maximum Pressure End Load		ton (tonne)	500 (454)
Base Tool Length <sup>4</sup>		in (mm)	65.6 (1,666)
Diametrical Stroke		in (mm)	0.75 (19.1)
Through Hole		in (mm)	2.0 (50.8)
Maximum Flow Rate <sup>5</sup>		gpm (m³/min)	1,161 (4.4)
Tool Joint			6-5/8 REG
Turns to Stroke Out			1.25

Integral Slip Dies



Extended Slip Dies



Extended Slip Dies  
and Bumper Extension





# Volant CRTi – In-country Experience

Who has run the Volant CRTi?

- NAOC
- Total
- Chevron
- NDPR
- Seplat
- Addax
- SPDC
- Elcrest/NPDC
- AMNI
- Conoil

The Volant CRTi has run upwards of 1,500,000 feet of casing in Nigeria over the last 5 years





# Conventional Casing Running Service

## Handling & Makeup Equipment

- *Flush Mounted Spiders – 500 tons*
- *Hydraulic Casing Tongs & Tubing Tongs – up to 52k ft-lbs of torque*
- *Advanced Torque Control Systems*
- *Pneumatic Elevators – 350/500 tons*
- *Auto Fill and Circulating Tools – up to 3k psi*
- *Hydraulic Clamp Masters*
- *Chrome Handling Equipment*
- *Belt Tongs – up to 120k ft-lbs of torque*
- *Stabbing Guides, Drifts, Thread Protectors*





# Dual & Single String Tubing Installation

- *Chrome or carbon steel tubings*
- *Up to 400Tons of combined string weight with our Dual Elevators & Spiders*
- *Any combination of tubings up to 3.1/2" OD for dual Installation*
- *Flush, coupled or upset tubings*
- *Reliable Torque Turn Equipment for guaranteed string integrity*
- *Single Joint Compensators*
- *Extensive experience on Land, Swamp and Offshore terrains*
- *Any Rig configuration: HWU's, Workover & Standard Drilling Rigs, Swamp Barges & Jack-up's*



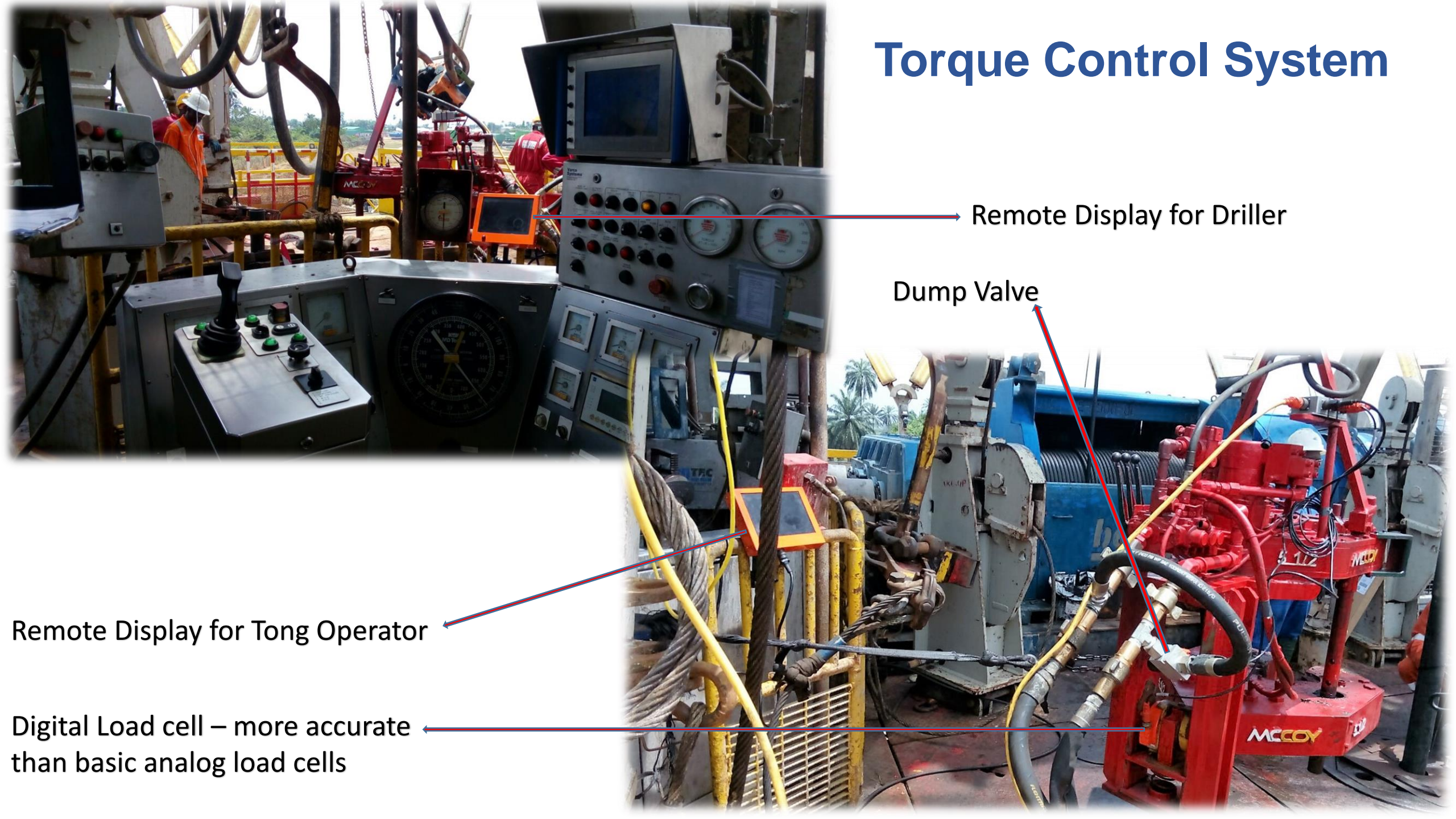
# Torque Control System

Remote Display for Driller

Dump Valve

Remote Display for Tong Operator

Digital Load cell – more accurate  
than basic analog load cells





# Conductor Piling Service (CPS)

## Hydro Hammers

Available in our inventory are the S-90 and S-200 Hydro Hammers which can pile from 20" – 48" OD Conductors.

- Capacity to pile on both onshore & offshore terrains.
- Experienced and available local personnel for field operations and maintenance
- Large inventory of high output miller welding machines along with experienced and certified welders.



Pimo Services is in partnership with the OEM - IHC/IQIP. This has expanded our capacity to service offshore construction projects inclusive of platform pile installation.



# Conductor Piling Service (CPS)

## Land Piling Frames (LPF)

We have successfully deployed our Rigless Land Piling Frame on the Oredo/Owopele fields with excellent results.

Advantages of using the LPF:

- Achieve true vertical pile installations
- Safe working platform for Hammer and Welding Technicians
- Lightweight and Mobile
- Quick & Easy to rig in and out (above the Cellar Pit)





# Cold Cutting and Beveling Service



- Cuts and bevels pipe of any wall thickness.
- Machine quickly splits to mount around Outside Diameter of pipes
- Minimizes the risks associated with hot torch cutting and grinding, particularly important when hydrocarbons are present.

***Nominal Pipe Size cutters available:  
7" – 42" OD***



# Conductor Piling Service (CPS)

## Conductor Welding

We have high output Miller welding machines along with experienced and certified Welders for well construction applications.





# Internal Lifting Tool (ILT)

## Applications

- Upending & Lifting Conductors
- Shortens upending / operation time compared to shackles
- Lifting of buoyancy tanks, jackets, modules, subsea manifolds, etc.
- Extremely reliable with excellent track record worldwide

## Specifications

- Pile range 16" - 96" OD
- Lifting capacities of 200t - 2,000t
- Standard operating water depth: 500m
- Certified and designed according Lloyds Lifting Appliances





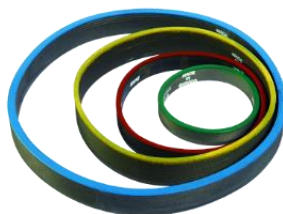
# Casing Accessories & Cementing Aid



- Reamer & Guide Shoes
- Float Shoes & Collars
- Top & Bottom Plugs
- Solid Body Centralizers
- Bow Spring Centralizers
- Rigid Centralizers
- Stop Collars



- DeltaTORQ Rings
- MLT Rings



**In-country inventory for up  
to 6 Wells available**





## Current and Past Projects

CLIENT	PROJECT TYPE	FIELD	TERRAIN	WELLS	PROJECT WORK SCOPE	STATUS
NPDC OML 111, 65 & 49	TRS/Cold Cutting And Conductor Piling	Oredo, Oghareki, Owopele, Abura	Land	13+	24" Conductor piling, 13.3/8", 9.5/8" Casing installation & 13%cr Dual completions tubing installation/cold cutting.	Completed/Ongoing
CONOIL	Conductor Piling	Mbuotidem	Swamp	1	30" Conductor Piling	Completed
NAOC	TRS/Cold Cutting	Ebocha, Obiafu, Ogbainbiri, Tebidaba & Idu	Land/Swamp	55	20"x18.5/8",13.3/8"CRTi ,11.3/4" CRTi,liner,9.5/8" CRTi,9.7/8"tie Back CRTi ,7" Liner installation and cold cutting.	Completed /Ongoing
DECKLAR/MILLENIUM	TRS	Oza	Land	1+2	Workover Campaign	Ongoing
PILLAR OIL	TRS	Umuseti	Land	1	13%cr Dual Completions Installation	Completed
SPDC	Workover /Drilling Campaign / Casing Accessories	Forcados, Epu & Dodo North	Land/Swamp	10	13.3/8",10.3/4",9.5/8",7" Casing installation(CRTi) & 13% Cr Dual tubing installation.	Completed
MID WESTERN	TRS	Umu	Land	2	13.3/8", 9.5/8",7" casing installation and Single string completions installation.	Completed
ELCREST/NPDC	TRS/Cold cutting	Opuama, Gbetiokun, Sibiri	SWAMP	9+	13.3/8" & 9.5/8" CRTi Casing installation & Cold cutting.	Ongoing
AMNI	TRS/Cold cutting	Okoro & Tubu	Offshore	9	30", 26", 13.3/8" & 9.5/8",7" 6.5/8" CRTi Casing Installation/Cold Cutting and Single string tubing installation.	Ongoing
EROTON	TRS/Cold cutting	Akaso	Swamp	6+	13.3/8", 9.5/8" , 7" CRTi casing installation and Single/dual tubing installation.	Completed
EXCEL EXPLORATION	TRS/Conductor Piling	Eremor	Swamp	2	20" Conductor Piling, 9.5/8", 7" Casing run & Single string completions installation.	Completed
NDPR	TRS/Cold Cutting	Ogbele, Omerelu & Oma	Land	4	20", 13.3/8" ,9.5/8" Casing installation & Dual tubing installation/cold cutting.	Ongoing
FIRST E&P	TRS/Cold Cutting CSP/Jacket Installation	Anyala & Madu	Offshore	10+	36" Jacket Installations, 20", 26", 13.3/8" & 9.5/8" CRTi Casing installation and Dual completions Installation.	Ongoing



## PIMO SERVICES LIMITED

209, Peter Odili Rd | Port Harcourt | Rivers State | Nigeria | T: +234.84.513426 | +234.803.310.2845  
Email: info@pimoservices.com

### Job Feedback Form

CLIENT	NPDC
WELL	ABURA-5ST
RIG	AG BUTLER DISCOVERY
JOB	7 INCHES CASING RIH

# OF JOINTS	82 jt
RIH HOURS	9 hrs
JOINTS/HOUR	13 jt/hr
NPT	

	Excellent	Very Good	Good	Average	Poor	COMMENTS?
HEALTH, SAFETY & ENVIRONMENT	✓					
WORK EXECUTION	✓					
RELIABILITY (EQUIPMENT)	✓					
TECHNICAL COMPETENCE (PERSONNEL)	✓					
ON TIME DELIVERY (EQUIPMENT & PERSONNEL)	✓					
BASE SUPPORT	✓					

Would you recommend Pimo Services for the next job?

YES ✓	NO
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Kindly leave any more comments:

Reliable and Efficient services rendered. Personnel were awesome.

CLIENT REP: Engr. Kizito - Adon.  
SIGNATURE:   
DATE: 16/5/18

PIMO REP: OVIAKPO YUGBOVWRE  
SIGNATURE:   
DATE:



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## Job Feedback Form

CLIENT	NPDC OML 49
WELL	OGHAREKI C WELL
RIG	AG BUTLER DISCOVERY
JOB	X56 24" CONDUCTOR PILING

# OF JOINTS	10 JOINTS
RIH HOURS	
JOINTS/HOUR	
NPT	NON

	Excellent	Very Good	Good	Average	Poor	COMMENTS?
HEALTH, SAFETY & ENVIRONMENT	✓					
WORK EXECUTION	✓					
RELIABILITY (EQUIPMENT)	✓					
TECHNICAL COMPETENCE (PERSONNEL)	✓					
ON TIME DELIVERY (EQUIPMENT & PERSONNEL)	✓					
BASE SUPPORT	✓					

Would you recommend Pimo Services for the next job?

YES

NO

Kindly leave any more comments:

Job was done safe and on time.

CLIENT REP: NELSON NGODIGHA  
SIGNATURE:   
DATE: 28.10.19

PIMO REP: KENNA UMEOKAFOR  
SIGNATURE:   
DATE: 28/10/2019



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## Job Feedback Form

CLIENT	NPDC/FHC OML26 AMT
WELL	OGINI 27
RIG	AG BUTLER DISCOVERY
JOB	7" 29ppf, BTC LINER RUN

# OF JOINTS	118
RIH HOURS	12HRS
JOINTS/HOUR	13JNT
NPT	NONE

	Excellent	Very Good	Good	Average	Poor	COMMENTS?
HEALTH, SAFETY & ENVIRONMENT	✓					
WORK EXECUTION	✓					
RELIABILITY (EQUIPMENT)	✓					
TECHNICAL COMPETENCE (PERSONNEL)	✓					
ON TIME DELIVERY (EQUIPMENT & PERSONNEL)		✓				
BASE SUPPORT		✓				

Would you recommend Pimo Services for the next job?

<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
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Kindly leave any more comments:

*Recommended for future job.*

CLIENT REP: *SOLOMON OMIGIE*

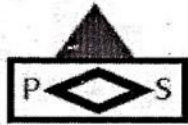
SIGNATURE: *[Signature]*

DATE: *26/06/2020*

PIMO REP: GABRIEL CHIMA

SIGNATURE: *[Signature]*

DATE: 26/06/2020



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## Job Feedback Form

CLIENT	NPDC OML 111
WELL	OREDO WELL 19
RIG	AG BUTTER
JOB	3-1/2" X 3-1/2" Dual Completion Run.

# OF JOINTS	844 joint
RIH HOURS	96 HRS RIH
JOINTS/HOUR	20 joint
NPT	None

	Excellent	Very Good	Good	Average	Poor	COMMENTS?
HEALTH, SAFETY & ENVIRONMENT		✓				
WORK EXECUTION	✓					
RELIABILITY (EQUIPMENT)	✓					
TECHNICAL COMPETENCE (PERSONNEL)	✓					
ON TIME DELIVERY (EQUIPMENT & PERSONNEL)	✓					
BASE SUPPORT	✓					

Would you recommend Pimo Services for the next job?

<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
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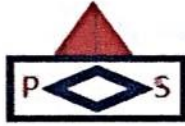
Kindly leave any more comments:

Excellent Service delivery overall

CLIENT REP:
SIGNATURE:
DATE:

ULEH Jimmy  
  
3.7.2021

PIMO REP: GABRIEL CHIMA
SIGNATURE:
DATE: 3/07/2021



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## Job Feedback Form

CLIENT	NAOC
WELL	IDU 5
RIG	PRIYE EXPLORER 1 / ETOPO ENERGY
JOB	3.1/2" TUBING COMPLETIONS

# OF JOINTS	266
RIH HOURS	
JOINTS/HOUR	14
NPT	KIL

	Excellent	Very Good	Good	Average	Poor	COMMENTS?
HEALTH, SAFETY & ENVIRONMENT		✓				
WORK EXECUTION		✓				
RELIABILITY (EQUIPMENT)		✓				
TECHNICAL COMPETENCE (PERSONNEL)		✓				
ON TIME DELIVERY (EQUIPMENT & PERSONNEL)		✓				
BASE SUPPORT		✓				

Would you recommend Pimo Services for the next job?

YES ✓

NO

Kindly leave any more comments:

*Good team work, very precise and consistent with work schedule. Also HSE compliant*

CLIENT REP: NDOKZI, UGO BENEDICT  
SIGNATURE: *[Signature]*  
DATE: 07/04/2021

PIMO REP: OKIEMUTE UGHUJOSAWORWO  
SIGNATURE: *[Signature]*  
DATE: 8/4/21



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### Job Feedback Form

CLIENT	NAOC
WELL	EBOCHA 8
RIG	ETOPO
JOB	3-1/2 & 2.7/8" ESP COMPLETION

# OF JOINTS	186
RIH HOURS	37
JOINTS/HOUR	5
NPT	NONE

	Excellent	Very Good	Good	Average	Poor	COMMENTS?
HEALTH, SAFETY & ENVIRONMENT	✓					
WORK EXECUTION	✓					
RELIABILITY (EQUIPMENT)	✓					
TECHNICAL COMPETENCE (PERSONNEL)	✓					
ON TIME DELIVERY (EQUIPMENT & PERSONNEL)	✓					
BASE SUPPORT		✓				

Would you recommend Pimo Services for the next job?

<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
---	-----------------------------

Kindly leave any more comments:

CLIENT REP:
SIGNATURE:
DATE:

NGOKU, UGO BENEDICT  
  
09/07/2021

PIMO REP:
SIGNATURE:
DATE:

OVUAKPOR YUGBOVWE  
  
09-07-2021

Thank you

