



FLONEX LIMITED

August 25th ,2020.



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Company Overview

About us:

FLONEX LIMITED is an ISO 9001:2015 certified Oil & Gas service company. We are a wholly owned Nigerian company and have been in business since 2003. We pride ourselves in assisting our clients achieve their objectives in a safe, cost effective and environmentally acceptable manner.

FLONEX LIMITED's laboratory has developed and implemented a quality management system that fully conform to the requirements of ISO 17025: 2017 for the purpose of continual improvement and customer satisfaction in providing inspection, material investigation, non destructive test , instrumentation and calibration services.

Our Vision

To build an enduring customer focused company driven constantly by innovations. A Company propelled by integrity, fair play and absolute reliance on God.

Our Mission

To build an innovative Engineering services company that aims at exceeding clients expectation, utilizing trained and motivated staff and technology, while ensuring good returns to stake holders.




Our Services

- **HYDRAULIC AND PNEUMATIC PRESSURE TEST PUMPS SUPPLY, REPAIRS AND MAINTENANCE.**

Flonex has well trained engineers who have undergone trainings on how to repair and maintained different types of Hydraulic and Pneumatic pumps. We work on Haskel ,Hydratron, Restato , Maximato , Enerpac, Hydraulic Ram etc. Both for High Pressure and Low Pressure Units pumps. We don't only service & maintain but we also supply and install.

- **CALIBRATION SERVICES**



These are some of the HPU Flushing pumps that has been repaired and also serviced by Flonex



Dimensional			
CALIBRATION AREA	RANGE & RESOLUTION	CALIBRATION & MEASUREMENT CAPABILITY ¹ (CMC) (±)	TECHNIQUE, REFERENCE STANDARD, EQUIPMENT
Calipers	Up to 300 mm/0.01 mm	12 µm	Grade '0' Gage Blocks
Micrometers	Up to 25 mm/0.001 mm	1.5 µm	Grade '0' Gage Blocks
	Up to 150 mm/0.01 mm	40 µm	
Pin Gauges/Plug Gauges/Measuring Wires	Up to 10 mm	2.5 µm	Master Digital Micrometer
Scales and Balances	Up to 600 kg	0.015% IR	Classes M1 and F1 Weights (Masses)
Electrical/DC/Low Frequency			
Voltage - DC	Up to 6 V/1 mV	0.59 mV	Multi-functional Calibrator (TIME ELECT.5025); Precision Electrical Test Equipment Calibrator (TIME ELECT.5030)
	Up to 60 V/10 mV	5.81 mV	
	Up to 600 V/0.1 V	0.058 V	
	Up to 1000 V/1 V	0.577 V	
Voltage - AC	Up to 6 V/1 mV	2.5 mV	Multi-functional Calibrator (TIME ELECT.5025); Precision Electrical Test Equipment Calibrator (TIME ELECT.5030)
	Up to 60 V/10 mV	24.7 mV	
	Up to 600 V/0.1 V	0.16 V	
	Up to 1000 V/1 V	0.62 V	

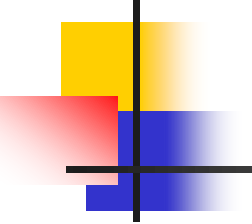
Current - DC	Up to 200 mA/0.1 mA	0.06 mA	Multi-functional Calibrator (TIME ELECT.5025); Precision Electrical Test Equipment Calibrator (TIME ELECT.5030)
	Up to 2 A/1 mA	0.59 mA	
	Up to 6 A/1 mA	0.76 mA	
	Up to 10 A/10 mA	5.8 mA	
	Up to 100 A/0.1 A	0.12 A	
	Up to 500 A/0.1 A	1.1 A	
Current - AC	Up to 200 mA/0.1 mA	0.07 mA	Multi-functional Calibrator (Time electronics.5025); Precision Electrical Test Equipment Calibrator (TIME ELECT.5030)
	Up to 2 A/1 mA	0.77 mA	
	Up to 6 A/1 mA	5.1 mA	
	Up to 10 A/10 mA	7.7 mA	
	Up to 100 A/0.1 A	0.12 A	
	Up to 500 A/0.1 A	1.1 A	
	Up to 1000 A/0.1 A	1.2 A	
	Up to 1500 A/1 A	1.4 A	

Electrical/DC/Low Frequency

Insulation - Resistance	Up to 1 Ω	300 $\mu\Omega$	Electrical Test Equipment Calibrator (Time electronics. 5030)
	Up to 1 k Ω	20 m Ω	
	Up to 40 k Ω	0.95 Ω	Insulation Calibrator (Time electronics 5069)
	Up to 1 M Ω	25 Ω	
	Up to 10 M Ω	1 k Ω	
	Up to 100 M Ω	70 k Ω	
	Up to 1 G Ω	9 M Ω	
	Up to 2 G Ω	9.8 M Ω	

Mechanical

Pressure Gauges/Pressure Transducer	Up to 700 bar/0.1 bar And up to 2500 bar	0.75% IR	Pressure Comparator; Hydraulic Dead Weight Tester; Master Digital Pressure Gauge.
Pneumatic Gauges	Up to 40 bar	0.3% IR	Pneumatic Pressure Calibrator
Pressure Chart Recorder	Up to 2500 bar/1 bar	0.8% IR	Pressure Comparator; Hydraulic Dead Weight Tester; Master Digital Pressure Gauge
Pneumatic Pressure Calibrator	Up to 40 bar	0.3% IR	Master Gage
Universal Testing Machine/ Hydraulic Compression Machine	Up to 2500 kN	0.2% IR	Master Load Cell (MacKlow Smith) Straight point Load cell.



CALIBRATION AREA	RANGE & RESOLUTION	CALIBRATION & MEASUREMENT CAPABILITY ¹ (CMC) (±)	REFERENCE STANDARD/ EQUIPMENT
Torque Wrench	Up to 3000 Nm	0.9% IR	Electronic Torque Calibrator (Time - Electronics/Mountz)
Thermal			
Infrared Thermometer	35 to 500°C	0.8°C	Fluke 4181
Thermocouple Type 'K'	50 to 1200°C	1.6% IR	Presys T-1200 Dry Block
Digital Thermometer	-50 to 0°C	0.33°C	Precision Multi Product Calibrator (time electronics 5025)
	Up to 700°C	0.31°C	
	>700 to 1300°C	1.13°C	
Ovens and Furnaces	Up to 550°C	1°C	Thermocouple Type 'K'
Hydraulic/Pneumatic pressure testing pumps	Up to 30000PSI	0.8% IR	Compressor generator Atlas corpo.



Procurement

- Procurement of Hydraulic and Pneumatic Pumps
- Chart Recorders, Circular Chart Papers, Chart Recorder Pens
- Pressure Hoses
- Procurement of different kinds of mechanical fittings
- Procurement of Calibration and Instrumentation Equipment's
- Procurement and supply of Shackles, Loadcells of different Kinds, etc...



FABRICATION

- ONSHORE/OFFSHORE MECHANICAL CONSTRUCTION
 - ENGINEERING DESIGN
 - STRUCTURAL FABRICATION
 - PIPELINE CONSTRUCTION



TECHNICAL TEAM:

Our Technical manpower resource is composed of:

- Instrumentation and Calibration of Technicians
- Structural/Mechanical design Engineers
- QA/QC Supervisors
- HSE supervisors
- Multi-coded welders to BS EN287-1,ASME IX,ABS in various material and processes
(SMAW,GTAW,GTAW+SMAW)
- Structural, Pipe and Mechanical fitters



TECHNICAL PARTNERS

Haskel International

Has nearly 60 years of hydraulic and pneumatic engineering experience in the design and manufacture of air driven liquid pumps.

Manufactures and sells pneumatically and hydraulically driven, high-pressure liquid pumps, gas boosters, air pressure amplifiers, regulators, valves and accessories.

[http:// www.haskel.com](http://www.haskel.com)

HARRIS PYE United Kingdom Limited

Established over 25 years ago and has an enviable reputation in boiler repairs & surveys, FPSO,FSO mechanical services and condenser technology just to mention a few

The Harris Pye Group is a rapidly expanding global player with active involvement in many key marine and industrial sectors. Operating worldwide on a 24/7 basis, our emphasis is on cost effective repair, preventative maintenance and conversion work.

<http://www.harris-pye.com/>



Our Clients:

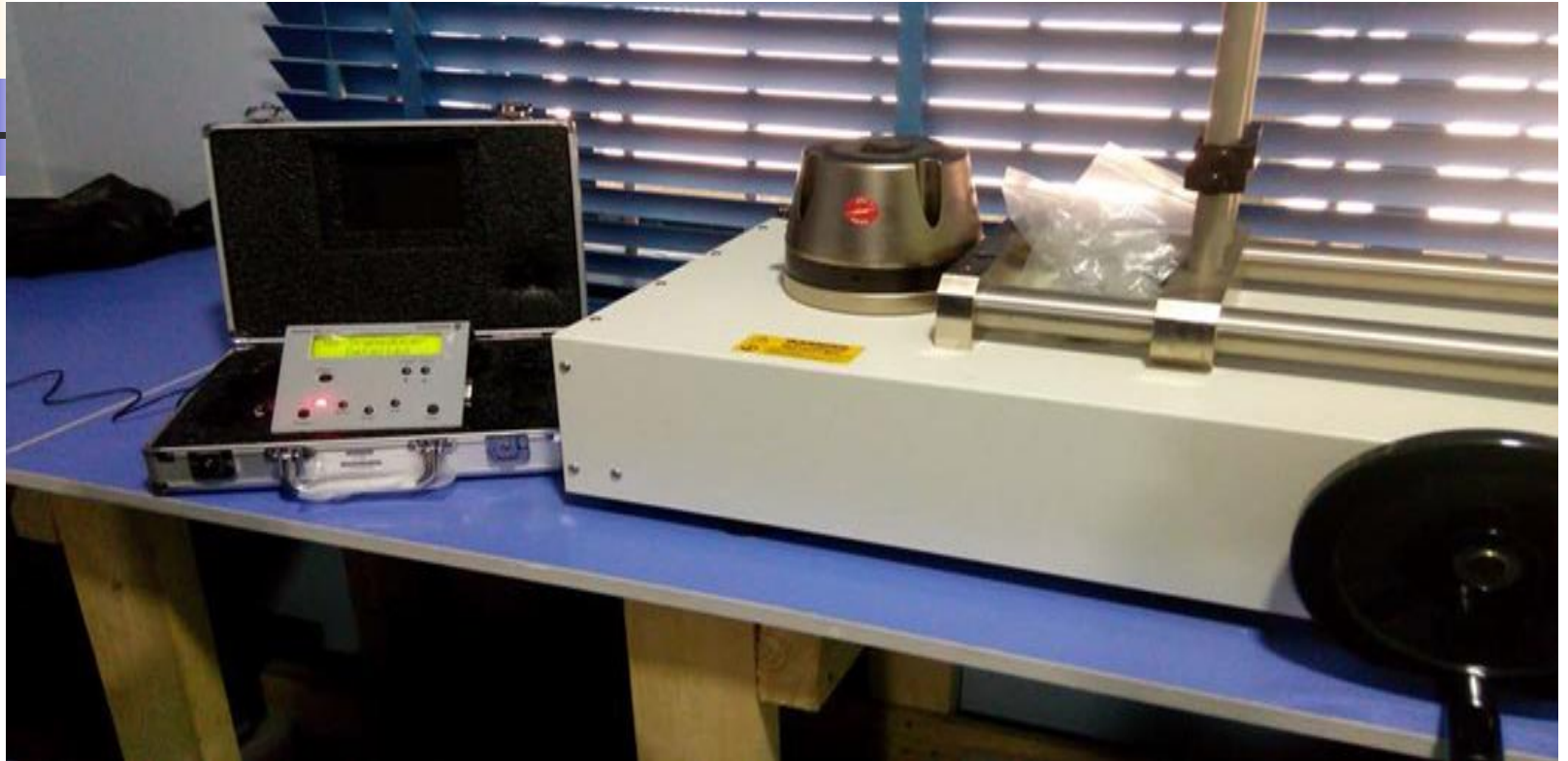
We currently, we are offering our esteemed services to the clients below:

- Baker Hughes
- Schlumberger Nigeria Limited
- Total E&P
- Mudiam International
- ExxonMobil Nigeria
- Seplat
- China Harbour Engineering company
- China national chemical engineering company no.7 company (Dangote Refinery)
- Topnotch engineering lab.
- Sinoma (Dangote Refinery).

Picture Gallery



Deadweight/Screw Pump Instruments for Pressure Gauges, Pressure Relief Valves, Chart Recorders Calibration



For Torque Instruments:
Time-Electronics, with a capacity to load up 2000lbf.ft, outside the loading Bench, Flonex can calibrate all type/model & sizes of torque wrenches from various manufacturers



Electrical/Electronic Instruments:

Time-Electronics, 5025 Multifunction Calibrator and 6 1/2 Digit Multimeter Calibrator, with the ability to calibrate all type/model & range of multimeters and clamp-on meters from various manufacturers. Running the latest EasyCal Platform.



For measurements of All types/model & sizes of micrometers and Vernier caliper calibration All types/model & sizes Coating and wall thickness meter calibration

OFFSHORE CAPABILITIES

Offshore installation...



ARGON WELDING IN PROGRESS



Offshore installation job



Accommodation extension on AD VIII



**REPLACEMENT
OF CORRODED
SPOOLS AT
OFON- D1
DURING
SHUTDOWN
(TOTAL EPNL)**



.33 hp (.25 kW) M Series Pump Models

Key Features

- Choice of 6 models, 9 ratios, 28 possible combinations
- Flows to 2 gpm (7.5 l/min)
- Choice of wetted materials
- Single air head
- Drive pressure 25 to 125 psi (1.8 to 9 bar)



1.5 hp (1.12 kW) Pump Models

Key Features

- Choice of 11 models, 14 ratios, 50 possible combinations
- Output pressures to 50000 psi (3448 bar)
- Flows to 22 gpm (83.0 l/min)



(1530 bar)

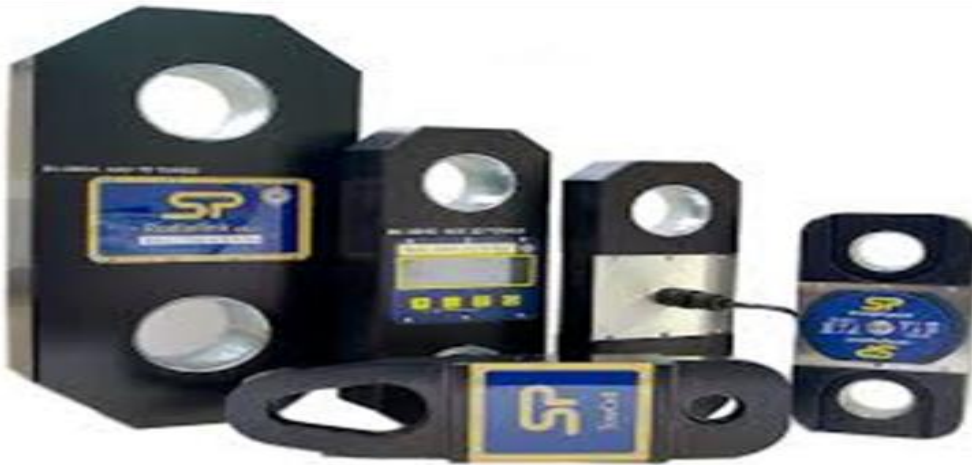
Key Features

- Pressures to 30000 psi (2068 bar)
- Flow rates to 11.5 gpm (44 l/min)

- All hydraulic fluids, water (plain or DI), solvents, liquefied gases
- Choice of wetted materials
- Single air head – double acting
- Drive pressure 3 to 125 psi (.2 to 9 bar)



LoadCell Calibration equipment



LoadCell of different weights.

- ▶ We partners with the OEM in Engineering Design of pumps and Fittings based on client Requirement and we assemble & deliver here in Nigeria

Safe pneumatic operation – no heat, flame or spark risk

- ▶ Up to 100000 psi (7000 bar) capability
- ▶ Infinitely variable cycling speed
- ▶ Stall feature at pre-determined pressure to hold that pressure without consuming power
- ▶ Problem-free stop/start applications
- ▶ Easily automated – many modification and control options
- ▶ Suitable for most liquids and liquefied gases
- ▶ Alternative gas drive options – sour gas, natural gas, boil off gas
- ▶ Can be manufactured to meet ATEX, CE and NACE





Certificate of Registration

This is to certify that compliance of Quality Management System of

FLONEX LIMITED

Plot 99 /101B Close, 4th Avenue, Trans Amadi (Phase 2), Port Harcourt, Rivers State

Has been successfully assessed and conforms to the requirements of

ISO 9001:2015

Scope of Certification

Engineering Design and Consultancy, Welding and Fabrication , Calibration & Instrumentations, Nondestructive Testing , Mechanical Testing , Chemical Analysis and Corrosion Test, Procurement and Logistics/ Equipment Leasing and Manpower Supply

IAF/EA - No: 17, 31, 32, 34, 35

Certificate No : TVE00610999

Issue Date : 10.06.2020

Expiry Date : 09.06.2023



MSCB - 129

Surveillance Audit 1 Due : 01.06.2021

Surveillance Audit 2 Due : 01.06.2022

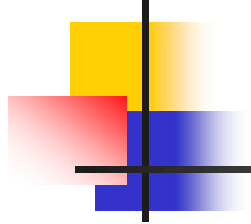
TVE Certification Services Pvt. Ltd

Admin Office: 21/26B Kamarajar Street, K.K.Nagar, Trichy - 620 021, Tamilnadu, India

For current validity of the certificate, visit www.tvecert.org



[Signature]
Executive Director



Thank You