





TABLE OF CONTENT

Introduction

Who We Are	-----	02
More About Us	-----	03

What We Do ----- 05

Access

Rope Access	----	06
Scaffolding	----	08
Tension Netting	---	10

Inspection

Inspection	----	12
Remote Aerial Inspection	-----	22
Lifting Equipment Inspection	-----	24

Maintenance

Fabrication	---	26
Bolt Torquing & Tensioning	---	28
Insulation		

Specialist Coating

Blasting and Painting	----	30
Field Joint Coating	-----	32
Passive Fire Protection	---	34

Emergency Response	-----	36
Technical Manpower	-----	38
Training	-----	40

Our Certifications ----- 48

WHO WE ARE

PFL Engineering Services Ltd. is an independent company that was initially established in 2002 as Perfect Facilities Ltd. At the time, the main focus of the company was to provide skilled Technical Manpower and Logistics Support Services to companies operating in the Oil & Gas, Petrochemical, Energy and Marine Sectors. The company was re-engineered in 2008 and the name was changed to PFL Engineering Services Ltd. and the scope of service also increased from Technical Manpower Supply and Logistics to Access, Inspection, Maintenance (AIM), Specialist Coating, Technical Manpower, Emergency Response and Training Services. With our corporate head office in Lagos, Nigeria and operational office in Port Harcourt, Nigeria, we recently expanded our operations to Ghana having an office in Accra registered as PFL Ghana Limited.

As a certified member of **IRATA** (Industrial Rope Access Trade Association) Operator and Trainers, we have a state of the art Rope Access training center in Port Harcourt, Rivers State, Nigeria. We are full members of **LEEA** (Lifting Equipment Engineers Association) as well as being a registered and accredited training company for Lifting Operations. Registered with the American Society for Non Destructive Testing (**ASNT**) as Corporate Member and have a fully equipped NDT training center. We are also corporate Members with National Association of Corrosion Engineers (**NACE**) for Corrosion prevention services.

We also have international reputable certifications in **ISO 9001:2015**, **14001:2004** and **OHSAS 18001:2007** reference standards.

As an **Access, Inspection and Maintenance (AIM)** services provider, we give easy access to difficult or confined spaces utilizing solutions like Rope Access, Scaffolding or Tension Netting. We carry out Inspection of such areas utilizing NDT Methods and also Lifting Equipment Inspection and we Maintain/Repair any defects found from our inspection with our capabilities in Fabrication and Blasting & Painting.



The most exciting part of what we offer, is our ability to train and retrain our multiskilled Technicians and Supervisors utilizing our in-house certified and accredited training facility. At PFL, our people are our strength, professional, experienced and highly skilled personnel are the key to our success.



Code of Conduct

This code of conduct is the moral basis upon which PFL Engineering Services Limited, (PFL) will conduct its business. It is PFL Engineering Services Limited's policy to comply with all applicable laws and to maintain fair, impartial and ethical relationships with all our customers, employees, partners and competitors. All employees of PFL are expected to conduct themselves according to this standard.

Mission Statement

At PFL Engineering Services Limited, our mission is to be a recognized leader in the industry. Being a performance leader means we will achieve operational excellence, customer satisfaction and superior financial performance.

Our Vision

To dominate our chosen sectors, disciplines and hold a market position ahead of our competitors in these areas.

Our Values

Our values drive our business and are reflected in everything we do. There are five values at the core of PFL's business.

- Relationships

We are committed to developing long lasting relationships with our clients, our partners, contractors, sub-contractors and our communities.

- Quality

We promote the highest standards of customer care and the client is at the centre of all of our business operations.

- Integrity

We demonstrate the utmost integrity and only operate in a transparent and honest way with our clients, our personnel and each other.

- Commitment

We are committed and are focused on the needs of all our customers (clients and personnel).

- Ethics

We operate ethically and demand the highest standards in our actions.



We are in business because of our clients. Our focus is to ensure we meet and surpass our clients expectations at all times. We shall achieve this by;

1. Maintaining a well trained and motivated workforce.
 2. Acquisition of modern equipment / technology.
 3. Pay attention to HSE & Quality.
- This is my commitment.

Mr. Preye BEREZI
CEO



WHAT WE DO

Our core areas include:

Access

- Rope Access
- Scaffolding
- Tensioned Netting

Inspection

- Non-destructive Testing (NDT)
- Remote Aerial Inspection
- Lifting Equipment Inspection

Maintenance

- Fabrication
- Bolt Torquing & Tensioning

Specialist Coating

- Blasting and Painting
- Field Joint Coating (FJC)
- Passive Fire Protection (PFP)

Emergency Response

- Rescue Plan and Risk Management
- Emergency Medical Technicians (EMT's)
- Bespoke training facilities

Technical Manpower

- Project Staffing
- Office Staffing
- Fixed and Short Term headhunting

Training

- Rope Access Training
- Scaffolding Training
- Lifting Operations Training
- Non Destructive Testing Training

We pride ourselves in the technical ability of our highly skilled personnel with over 100 years of cumulative experience to deliver quality services to our clients.

Rope Access Services

PFL Engineering Services Limited adheres to IRATA in delivering Rope Access activities and operates its projects under certified procedures.

As full members of **IRATA (Industrial Rope Access Trade Association)** Operator and Trainers, we also have a state of the art Rope Access training center in Port Harcourt, Nigeria.

Rope Access services allows PFL's dedicated IRM professionals to access their work location in a safe and efficient way.

Our Rope Access Technician operates from two ropes, working rope and back-up rope. A safety rope is permanently attached to both, each rope has a separate anchorage point. In the unlikely event of the rope becoming damaged or unusable, the safety rope will prevent a fall.

Rope Access provides maximum safety and is considered a highly efficient and flexible system that allows multiple disciplines in one team. Rope Access operations have minimum equipment requirements assuring easy logistics

and minimum impact to concurrent operations, processes and or work environments.

The nature of Rope Access reduces project time, lowering downtime and minimizing the impact on ongoing operations, significantly reducing the cost to clients in comparison to traditional access methods.

Technicians are not only trained in Rope Access, but are multi-disciplinary operatives. Some of the services offered are: ACFM, Ultrasonic – Flaw Detection and Thickness Gauging, Magnetic Particle, Dye Penetrant, Visual Inspection, B&C Scan, Phased Array, Radiography, TOFD, API 653, API 580, API 510, API 4G, Coating Inspection, Remote Controlled Inspection (CCTV), Anode Replacement, Bolt Torque Tensioning, Blasting, Composite Repairs, Confined Space Entry, Corrosion Under Insulation, Derricks and Masts Refurbishment and Rebuilds, Electrical Works, Fabrication, Grinding, Helideck Structural Works, Insulation, Leg Inspections, Painting, Pipe Work Inspection, Removable Insulation Jackets, Rig Maintenance and more.



Relationships – we are committed to developing long lasting relationships with our clients, our partners, contractors, sub-contractors and our communities.



Scaffolding Services

PFL offers a complete range of safety focused scaffolding and related services:

- Full scaffolding services for new or existing structures
- Scaffolding design support that guarantees each project will meet critical specifications
- Scaffolding rental services and estimation of quantities
- The supply of trained and certified scaffolders
- Training
- Coordination and planning

Our health and safety policy is at the heart of PFL and we are committed in providing a consistently high standard of safety throughout every one of our projects. PFL's commitment is to provide the highest quality scaffolding solutions, tailored to the requirements of various application. PFL has forged strong relationships with leading international partners whose experience will assist us to evolve and advance.

At PFL, scaffolding work is carried out by properly supervised teams of experts who consistently achieve reliable, efficient, innovative, and safe loading, delivery, erection, dismantling and collection of top class scaffolding to and from all types of sites.

PFL scaffolders are trained and certified through international trainers. Supervisors are also trained for scaffolding safety inspection. PFL provides its scaffolders with regular safety training and offers the same training to all our customers.



Providing the highest quality scaffolding solutions tailored to the requirements of various applications.



Tensioned Netting

PFL provides netting and decking systems as a new alternative for scaffolding during under deck maintenance operations. The system is installed ten(10) times quicker than the conventional methods and it's more cost effective. The Client benefits from shorter lead times and reduces deck and bed space requirements.

The system complies to the British Standard and work at height regulations from the UK. The system is designed and installed towards the same regulations and specifications as scaffolding and can take a maximum of 3Tn/m^2 SWL.

Characteristics

Rigging paperwork

- Certificates of Conformity
- Test Certificates
- Proof Load Test
- Identification Certificate
- Decking

Establishing full compliance

- Working on Accreditations
- Auditing Suppliers
- Scafftag Equivalent

Systems meet UK HSE standards

- Work at Height Regs. (2005)
- Lifting Operations & Lifting Equipment

Regulations (1998)

- Manual Handling Regulations
- Use of Working Equipment Regs
- Relevant BS Standards

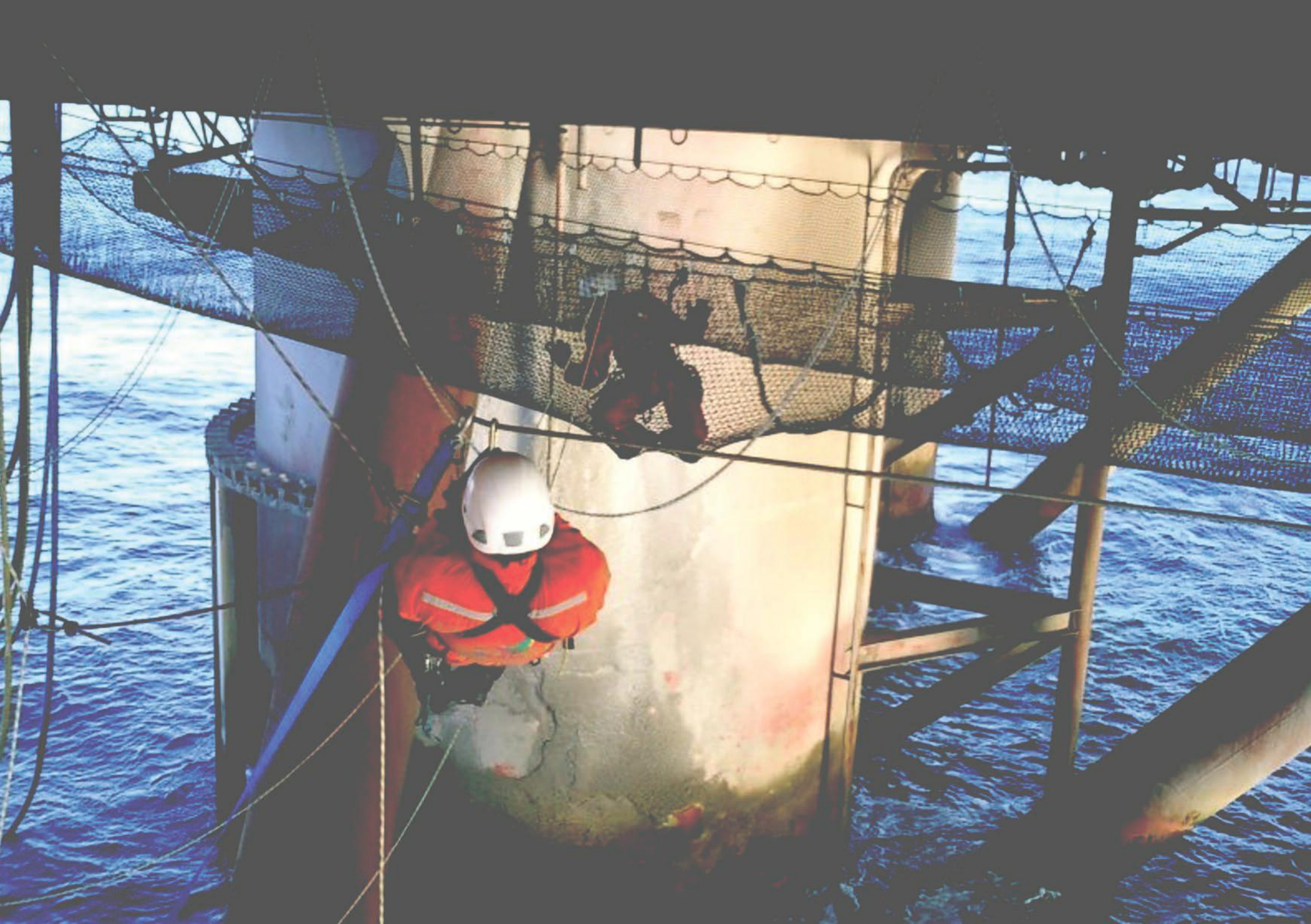
Product Safety Features

- WEB Tensioner Avoids Overload
- WEB T- Clamp Safety Redundancy
- Interlocking Mechanism in Deck
- Very Strong 2.1m Decks I
- Very High Tensile Strength Net
- Knots in Net for sure Footing
- All Products Flame Retardant

Benefits

- Installation time reduced by up to 90% compared to scaffolding
- Much safer to install
- Fewer Working at Height hours
- Rope Success Intrinsically safer
- Lower cost of labour
- Reduced transport cost
- Reduced storage cost
- Lower access cost





Inspection Services

PFL's Inspection Services focuses on conventional and specialized Inspection and Non Destructive Testing (NDT) coupled with efficient management and cost effective implementations. We provide a complete integrated service to a variety of industries and Clients. At PFL we utilize state-of-the-art equipment and highly trained technicians.

All our technicians are IRATA certified Rope Access Technicians all with a multi-disciplined approach and with a vast selection of disciplines. This allows for multiple scopes to be carried out single source.

At PFL we understand the importance of NDT services to our clients. Not only can our clients improve Use Asset reliability, reduce operational and maintenance costs, enhance safety and extend plant life, they can monitor and improve their operations across the board.

These findings are documented with photographic support and we subsequently provide corrective recommendations for their rectification.

Most importantly, items that are considered high risk are repaired by the technicians, after all, most of these are inaccessible without Rope Access.



Our Inspection Services Include:

General Inspection;

- Risk Based Inspection
- Corrosion Monitoring and Mapping
- Coating Inspection
- Welding & Coating Inspection
- Remote Aerial Inspection
- Close Visual Inspection

Utilizing state-of-the-art equipment and highly trained technicians to provide a completely integrated service to a variety of industries and clients.



Inspection Services

Conventional and Specialized Non Destructive Testing

Ultrasonic Measurement A method in which a high frequency sound wave is sent through the part and changes in signal amplitude are observed.

Dye Penetrant Inspection - A method for near surface crack detection in metals. The part to be inspected is cleaned and coated with a dye which penetrates any flaw that may be present. The surface is wiped clean and coated with a white powder. The powder absorbs the dye held in the defects indicating their location.

Magnetic Particle Testing - A non-destructive test method of inspecting areas on or near surface discontinuities for ferromagnetic metals. The metal is magnetized and then iron powder is applied. The powder adheres to lines of flux leakage, revealing surface and near surface discontinuities.

Visual Inspection - Is a common method of quality control, data acquisition and data analysis. Visual Inspection used in maintenance of facilities, mean inspection of equipment and structures using either or all of raw human senses such as vision, hearing, touch, smell and/or any non-specialised inspection equipment.

A, B & C Scan - Our Advance Ultrasonic Corrosion Mapping is a key method in most non-invasive inspection strategies. In order to inspect the range of components e.g. pipes, vessels, tanks etc. PFL Engineering uses multiple types of Ultrasonic Corrosion Mapping which is versatile to provide accurate and reproducible fingerprints of material integrity.



Quality – we promote the highest standards of customer care and the client is at the centre of all of our business operations.



Inspection Services

Phased Array

Ultrasonic Phased Array Systems can be employed in almost any test where conventional ultrasonic flaw detectors have traditionally been used.

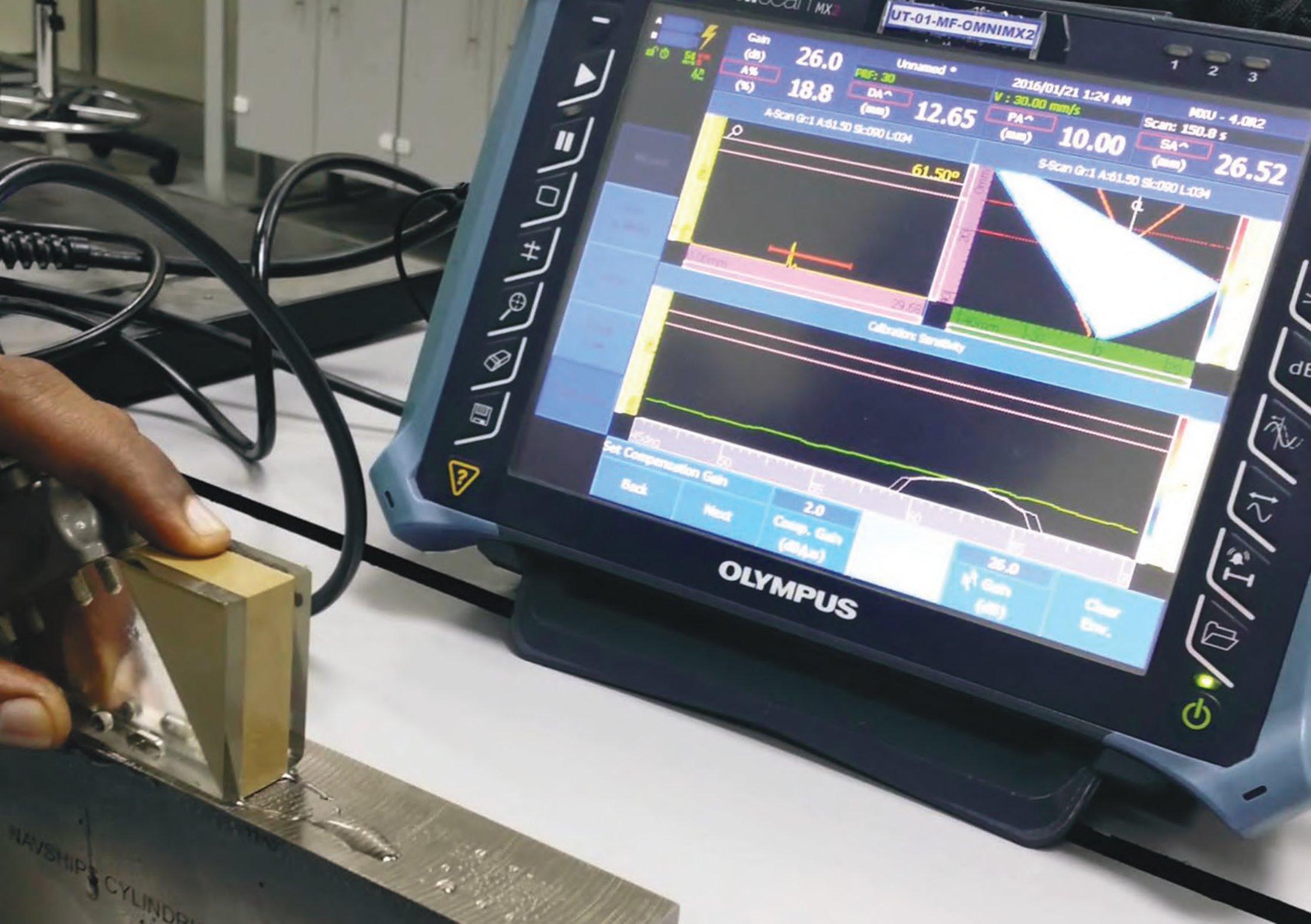
Weld inspection and crack detection are the most important applications.

Phased Array produces accurate, detailed cross-sectional pictures of internal structures at fast inspection speeds. The benefits of phased array technology over conventional UT comes from its ability to use multiple elements and electronic time delays to create beams that can be steered, scanned, swept and focused electronically for fast inspection, full data storage and multiple angle inspections.

- Weld Inspection
- Flaw Detection



Integrity - we demonstrate the utmost integrity and only operate in a transparent and honest way with our clients, our personnel and each other.



UT-01-MF-OMNIMX2

Gain (dB) 26.0
A% 18.8

PRF: 30
DA^ (mm) 12.65

2016/01/21 1:24 AM
V: 30.00 mm/s
PA^ (mm) 10.00

MDU - 4.0R2
Scan: 150.8 s
SA^ (mm) 26.52

A-Scan Gr:1 A:61.50 Sc:090 L:094

S-Scan Gr:1 A:61.50 Sc:090 L:094

Calibration: Sensitivity

Set Compensation Gain

Back

Next

2.0

Comp. Gain (dB/μs)

26.0

Gain (dB)

Clear

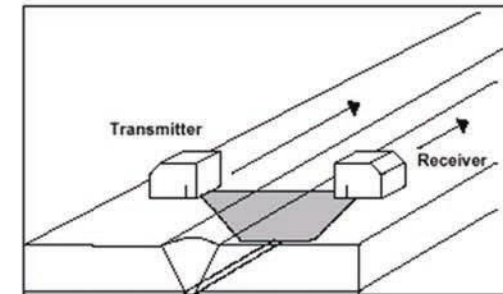
Err.

OLYMPUS

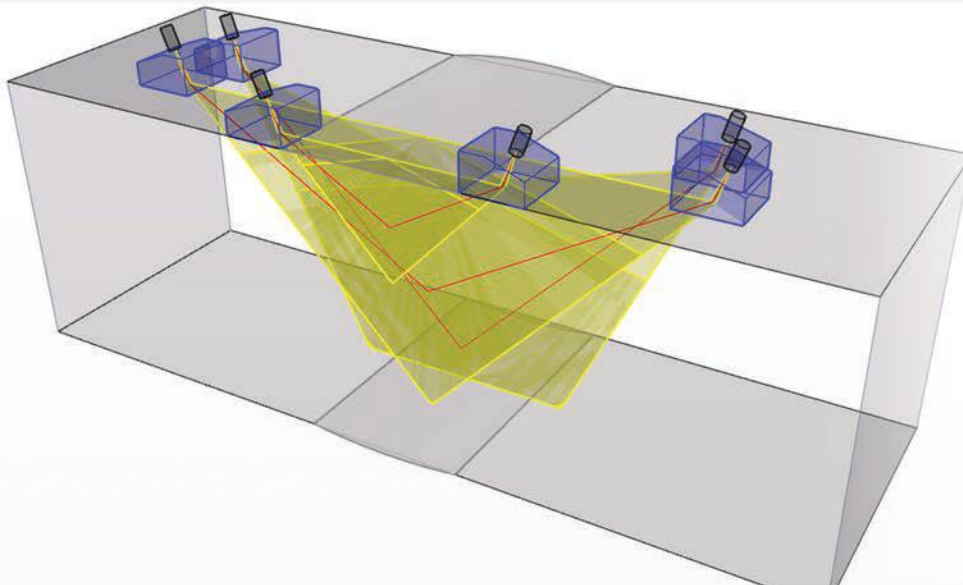
NAVSHIPS CYLINDR

Inspection Services

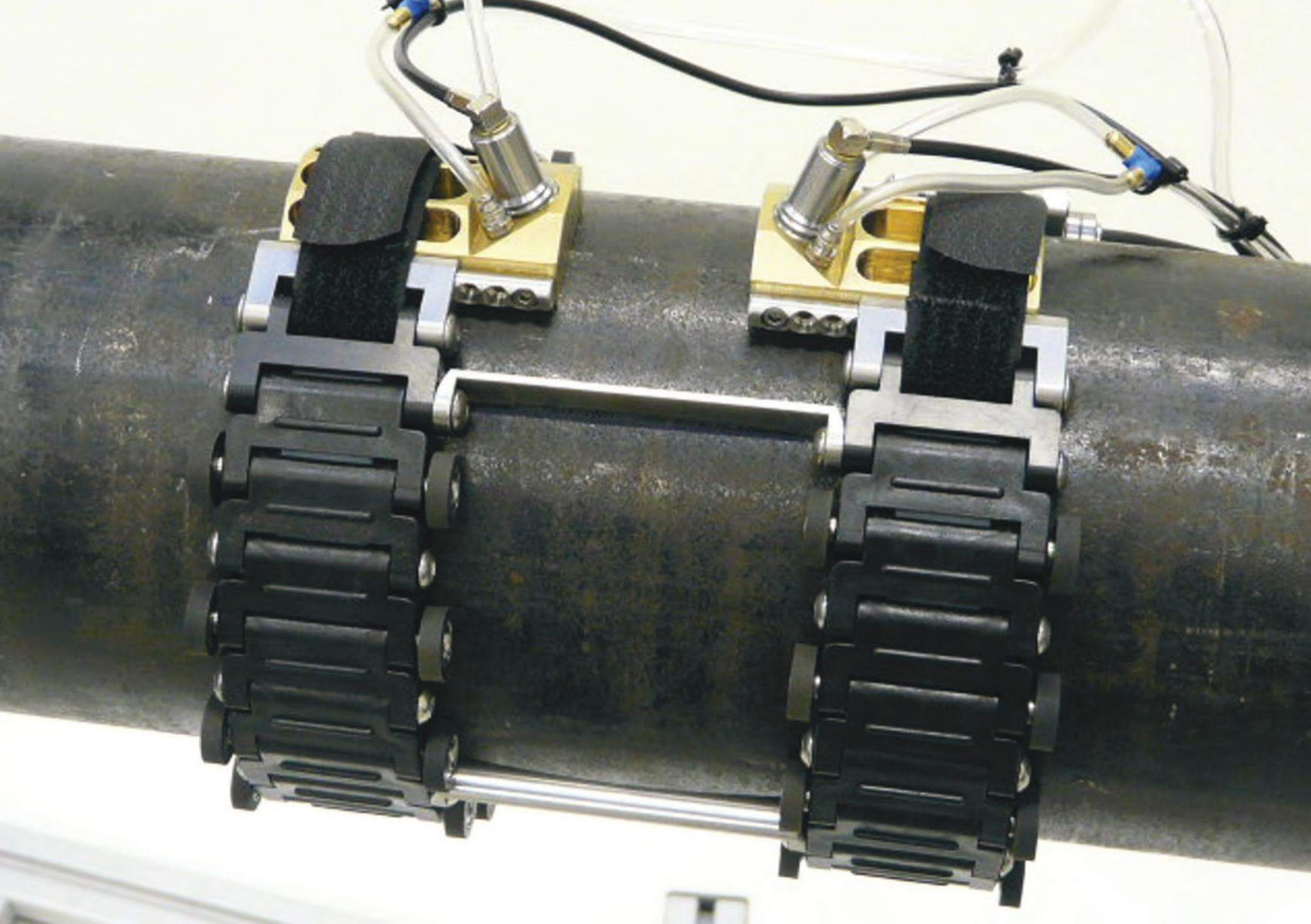
Time Of Flight Diffraction (TOFD) - The principle of the TOFD technique is based on mapping of the position of the edges of defects. This is in marked contrast with conventional ultrasonics, which relies on the amplitude of specular reflections received from defects. To determine the position of the defect edges, a wide-beam transmitter probe is placed on one side of the weld under inspection. An identical receiver probe is placed on the other side of the weld (figure 1). In the case of a flawless weld, the relevant ultrasonic signal will consist of a so called "lateral wave", corresponding to the direct surface path between transmitter and receiver, and a back wall echo. Between the lateral wave and the back wall echo there will be no signals. If defects are present in the weld, however, the ultrasonic waves will be diffracted by the edges of the defects. The depth of the defect edge can be calculated from the time of flight of the corresponding ultrasonic wave. Defect height can be readily measured by subtraction of the depth of lower and higher defect edge.



Alternating Current Field Measurement (ACFM) - The alternating current field measurement (ACFM) technique has been developed to provide reliable crack detection and depth sizing without the need to remove paint and coatings. In addition because there is no need for paint removal and repainting, the need for expensive scaffolding can often be avoided and instead the technique can be deployed using much more cost effective rope access methods.



Commitment – we are committed and are focused on the needs of all our customers (clients and personnel).



Inspection Services

API Inspection

API 653 - “*Above Ground Tank Inspection*” is a standard published and developed by the American Petroleum Institute (API) that covers the inspection, repair, alteration and reconstruction of steel above ground storage tanks used in the petroleum and chemical industries.

The standard provides the minimum requirements for maintaining the integrity of welded or riveted, non-refrigerated, atmospheric pressure, above ground storage tanks after they have been placed into service.

API 580 - “*Risk Based Inspection*”. As refiners continue operating aging infrastructure, safe operation and equipment availability continue to be key components of a sustainable operation.

When considering optimizing inspection projects, more and more refineries are making Risk-Based Inspection (RBI) an integral part of their plan processes. When applied properly, RBI can focus inspection efforts using risk as a basis for prioritizing and managing an in-service inspection program.

API 510 - “*Pressure Vessel Inspection*” In-Service Inspection, Rating, Repair, and Alteration, is an inspection code, written and published by the American Petroleum Institute (API), that covers in-service inspection, repair, alteration, and rerating activities for pressure vessels and PRNs.

This inspection code applies to most refining and chemical process vessels that have been placed into service.

API 4G - Provides guidelines and establishes recommended procedures for inspection, maintenance and repair of items for drilling and well servicing structures to maintain equipment serviceability.

Items covered by this publication include masts/derricks, substructures and accessories. This edition is a general revision and includes enhanced recommendations on inspection and personnel qualifications.



Ethics - we operate ethically and demand the highest standards in our actions.



Inspection Services

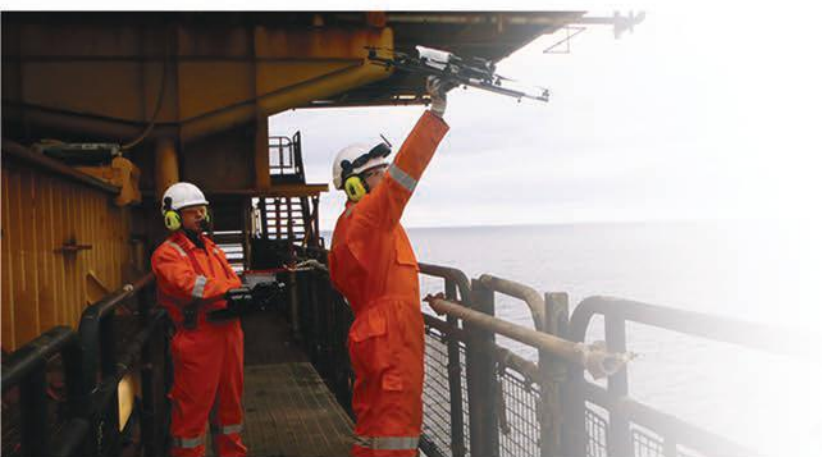
Remote Aerial Inspection

The use of Aerial Drones has now become a massive innovation in Inspection allowing visual analysis of areas usually off-limits due to inaccessibility. PFL Engineering Services Ltd is introducing **Remotely Operated Aerial Vehicle (ROAV)** inspection techniques to provide structural inspections of high or difficult to reach structures which are faster and safer than conventional access methods. Structures include drilling derricks, elevated pipe racks, platform legs, splash zones, ducting and walkways. Our inspection technique reduces costs by removing the requirement for large areas of scaffolding and improves safety by reducing the need for working at height and over side work.

PFL Engineering Services Ltd. has the experienced and highly trained pilots required to fly under the deck of an offshore production platform or drilling rig to conduct close visual inspection of this hard to access area. Our ROAV technology can look vertically up and zoom on areas of interest. Our structural engineers then write a detailed report on the condition of the structure. This avoids the need for large scaffolding or rope access work scopes. Over side work and stand by vessels are similarly not required.

Using Cyber Hawk ROAV technology and advanced photogrammetry software, PFL Engineering Services Ltd. captures a series of individual aerial images and processes them to create an accurate 3D model and highly detailed orthophoto mosaic of any offshore structure or tower in refineries or petro chemical plants. This allows the user to visually scan the full height and 360 degree platform model for any defects to be measured.

We also provide an innovative solution to inspect onshore and offshore vent stacks and exhausts while they are live. This significantly reduces costs by avoiding the need to shutdown to complete inspections. This technique also reduces the need for working at height and our gas sensor on the ROAV ensures safe operations.



At PFL, our people are our strength, professional, experienced and highly skilled personnel are the key to our success.



PFL
Engineering
Services Limited

PFL
Engineering
Services Limited

Inspection Services

Lifting Equipment Inspection

PFL Engineering Services Ltd is a full member of LEEA, both training and operations in Nigeria that carries out Inspection and verification of all Lifting Equipment Inspection as per LOLER regulations in accordance with SI2307/2184 and DPR guidelines. They may include Non Destructive testing / Evaluation (NDT/NDE) of all items where necessary as well as proof load testing. We are members of the Lifting Equipment Engineers Association (LEEA) in Nigeria.

The Lifting Equipment Engineers Association (LEEA) are established across the globe as the leading representative body for all those involved in the lifting industry worldwide. They are the respected and authoritative representative body for our Members who work in every aspect of the industry, from design, manufacture, refurbishment and repair, through to the hire, maintenance and use of lifting equipment.

The Association has played a key role in this specialised field for over half a century, from training and standards setting through to health and safety, the provision of technical and legal advice, and the development of examination and licensing systems.

We carry an extensive range of load test equipment including heavy-duty water bags for offshore crane Inspections as well as Lifeboat testing equipment including Davit testing.



All of our Inspection Engineers are fully LEEA qualified and in addition are qualified to current NDT standards through the ASNT.



Maintenance/Repair Services

Fabrication Services

At PFL Engineering Services Limited, we pride ourselves on our flexible and innovative approach, which allows us to offer a wide range of Fabrication, Welding services and Structural repair solutions in Nigeria.

The skills of our workforce and with our proven track record ensures we deliver our clients requirements on time.

Safety is an essential component of our culture.

PFL understands that the total company or system, not just the ‘Safety Department’, affects and is responsible for the safety of all employees.

- Walkways
- Handrails
- Pipe Racks
- Skids
- Riser Clamps
- Decking



Integrity - we demonstrate the utmost integrity and only operate in a transparent and honest way with our clients, our personnel and each other.



Maintenance/Repair Services

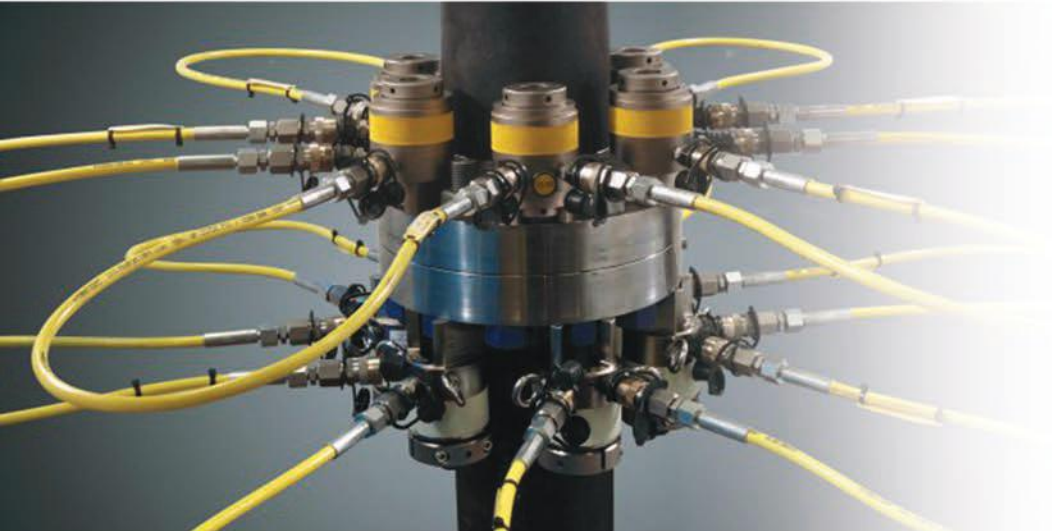
Bolt Torquing and Tensioning

PFL Engineering provides bolting solutions and requirements including torquing, tensioning and stress analysis with the use of state of the art equipment which include Hydraulic Torque Wrenches, Bolt Tensioning Cylinders, Hydraulic Nuts and more. Bolt Tensioning is a controlled method of tightening which applies preload to a bolt while stretching it axially. As a result, inaccuracies created through friction are eliminated and massive mechanical effort to create torque is replaced with simple hydraulic pressure.

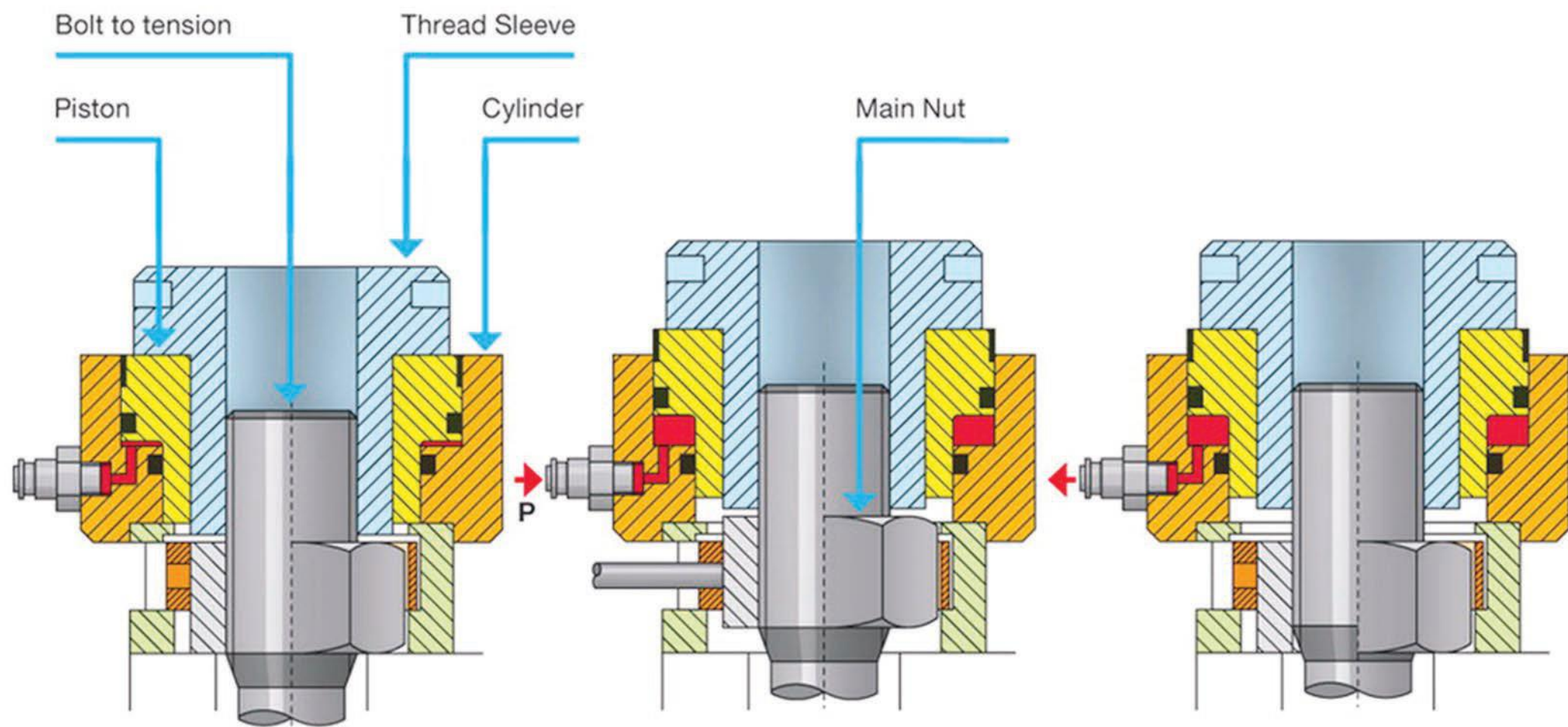
We utilize the latest technology to ensure that high quality services are provided to our clients and offers you full guaranty on the following:

- Assurance of uniform bolt loading and gasket compression
- Quicker assembly, disassembly of the joint
- Safety, prevention of accidents
- Prevention of fastener damage

Our bolting technology develops, produces and distributes hydraulic, electric and pneumatic bolting methods for tightening and loosening a wide range of industrial bolt connections.



We have international reputable certifications in ISO 9001:2015, 14001:2004 and OHSAS 18001:2007 reference standards.



Specialist Coating Services

Blasting and Painting

PFL Engineering provides various types of blasting and painting services to the Oil and Gas Industry, including Ultra High Pressure (UHP), hydro blasting and more traditional grit and steel ball blasting. At PFL we understand that surface preparation is essential for satisfactory performance of any paint system. The most expensive and advanced painting systems will fail if surface preparation is inadequate either in cleanliness or profile.

Our highly skilled blasters and painters are committed to provide the best solutions, best methods, best quality and best value in areas such as: Shipyards, LNG Plants, Fabrication Facilities, Offshore and Onshore Projects and more. We also make use of our blasters and painters that are IRATA Certified Rope Access Technicians. This enables us to work in difficult to reach locations, for repair work or where there are time restraints in completing a project. Rope Access is a means to complete your projects Safely, on-time and within budget.

All our coating systems are applied in accordance with the respective paint manufacturers specifications. This process is closely monitored throughout the coating application.

Blasting and Painting Services:

- *Manual paint and brush application*
- *(Air) Less paint techniques*
- *Specialist coating applications*
- *Manual dry grit blasting*
- *Spot blast surface preparations*
- *Automated dust free blasting with encapsulation*
- *Manual hydro blasting UHP blasting*
- *Mechanical preparation*



Our highly skilled blasters and painters are committed to provide the best solutions, best methods, best quality and best value.

Maintenance/Repair Services

Insulation

Corrosion Under Insulation remains a continuous challenge in the Oil & Gas industry due to accessibility and visibility. It decreases asset productivity, endangers the environment and puts workers at risk. As an Asset Integrity Management (AIM) service provider therefore, it is essential in choosing the correct material for the job and ensuring the best and most professional surface preparation is done. PFL Engineering offers its expertise in Insulation services using vast range of materials and techniques which include Cellular glass, Mineral wool, Polyurethane [PUR], Polyisocyanurate [PIR] and more.

When we are given the opportunity to select insulation materials, we choose the best applicable materials and methods that have the most to offer when providing Thermal Insulation, Acoustic Insulation, Fire Protection, Corrosion Control and Heat Tracing. Meeting our client's 'mission critical' facility AIM requirements at best cost while ensuring the safety of people and environment is paramount to us at PFL Engineering Services.

Being an AIM services company, we can give the required access to the work area via Scaffolding, Rope Access and Tensioned Netting. We also ensure the correct surface preparation and specialist coating systems are correctly applied, to ensure the maximum lifespan of the unit being protected.







Specialist Coating Services

Field Joint Coating Services

PFL Engineering Services Ltd. provides advanced field joint coating systems and services to the offshore and onshore pipeline contractors and IOC's. PFL Engineering's aim is to be at the forefront of Coating, Insulation and Corrosion Protection Systems and understands the needs of the industry and it's positioned to provide innovative equipment and technology solutions that are required to meet the demands of today's challenging environment.

We also integrate the latest technologies to optimize performance on-site in terms of cycle time and quality whilst always respecting the environmental requirements. Our purpose-built coating systems and equipment are prepared, installed and operated by our highly skilled and experienced technicians and engineers.

PFL Engineering offers a complete range of anti-corrosion protection and thermal insulation coatings, we apply most of the field joint coating systems in the field, by mobilizing specialized equipment and experienced operators to various onshore locations, spool-bases, fabrication yards, other permanent and temporary project sites, or offshore on pipe-laying vessels.



*We have international reputable certifications in
ISO 9001:2015, 14001:2004 and
OHSAS 18001:2007 reference standards.*



Specialist Coating Services

Passive Fire Protection (PFP)

Passive fire protection (PFP) coatings make structures more resistant to fire by insulating structural steel from high temperatures and as a result, buy time for the evacuation before structural collapse.

PFL utilizes her Graco XM™ PFP Plural-Component Sprayer which is state of the art and offers data reporting technology, so you can confirm that epoxy intumescent coatings are sprayed on-ratio, at requirements set by the manufacturer. The XM PFP is easy to use, maintains consistent temperature control and offers precise ratio control. Our Applicators are all trained and certified to apply PFP materials both Intumescent and Cementitious.

Some of our PFP methods include;

- PITT CHAR XP
- Surface preparation
- Degreasing
- Power tool cleaning
- Primers



Our Vision - To dominate our chosen sectors and disciplines and hold a market position ahead of our competitors in these areas.



Emergency Response Services

With our team of specially trained Rope Access Technicians who are also OPITO certified in Emergency Response both team members and team leaders, PFL Engineering offers Emergency Standby for workers operating in confined spaces, working at height, working in difficult access areas and in areas where there are dangers of the release of toxic substances. Our Emergency Response personnel are also trained fire fighters and paramedics.

In most circumstances a rescue team could be hampered by their lack of understanding of the equipment which is preventing the straight forward extraction of a casualty.

PFL workers are skilled mechanical craftsmen who have been thoroughly trained in all aspects of rescue techniques; our team is trained in first point medical attention and have the latest in both standard and bespoke rescue equipment. We have one of the best training facilities in Africa where our men practice scenarios on a constant basis in preparation for the real activity.

We are set up to take on any of the following rescue activities;

- Emergency Medical Technicians (EMT's)
- Bespoke training facilities
- IRATA rope access
- Rescue plans and risk assessment



PFL will assist in the compilation of combined client rescue plans which consider all of the possible eventualities.



Technical Manpower

PFL Engineering Services Limited has vast experience in the area of Manpower Supply to the oil and gas Industry. PFL provides both professional and consultancy services, both contract and permanent staff alike.

PFL is driven by a commitment to excellence in meeting our client's requirements. Our network of offices and years of experience give us a competitive edge and unique capability to provide high quality reliable staffing services.

From project conception to commissioning, PFL will staff and manage your project with high quality personnel thereby reducing your risk of exposure.



We currently have a database of over 10,000 active CV's covering different disciplines in oil & gas operations for both topside and subsea activities.



PFL Training Centre

Training is an activity leading to skilled behaviour. This essence is the primary philosophy behind our dedicated and tailor made training modules. As a training company, our approach to competence development lets us identify and assist our customers to build a more efficient, safe and competent workforce. Working with our customers we can identify where workplace competence can be enhanced, tailor make a training and development program that will fill the gaps and address competence assurance requirements on an ongoing basis.

We understand the pressures of organisations operating in safety-critical environments. We have our High Range Training Facility in Port Harcourt, Nigeria for all your future Training needs.



NDT Training



Rope Access Training



Scaffolding Training



Lifting Operations Training



Health and Safety Training



The most exciting part of what we offer, is our ability to train and retrain our multiskilled Technicians and Supervisors utilizing our in-house certified and accredited training facility.



Velocity
12
3
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
130
135
140
145
150
155
160
165
170
175
180
185
190
195
200
205
210
215
220
225
230
235
240
245
250
255
260
265
270
275
280
285
290
295
300
305
310
315
320
325
330
335
340
345
350
355
360
365
370
375
380
385
390
395
400
405
410
415
420
425
430
435
440
445
450
455
460
465
470
475
480
485
490
495
500
505
510
515
520
525
530
535
540
545
550
555
560
565
570
575
580
585
590
595
600
605
610
615
620
625
630
635
640
645
650
655
660
665
670
675
680
685
690
695
700
705
710
715
720
725
730
735
740
745
750
755
760
765
770
775
780
785
790
795
800
805
810
815
820
825
830
835
840
845
850
855
860
865
870
875
880
885
890
895
900
905
910
915
920
925
930
935
940
945
950
955
960
965
970
975
980
985
990
995
1000

SPR
TRAIN

Training Services

Rope Access Training

- IRATA Rope Access Training Level 1/2/3 Upgrades, Revalidations and or Refreshers
- Work at Height Awareness
- Rescue from Height
- PPE Inspection

Scaffolding Training

- Level 1 Scaffolder (IADC DIT approved)
- Level 2 Scaffolder (IADC DIT approved)
- Advanced Scaffolder (IADC DIT approved)

Non Destructive Testing Training

- Eddy Current (EC)
- Ultrasonic Testing (UT) Level 1 & 2
- Magnetic Partical Inspection Training (MPI) Level 1 & 2
- Liquid (Dye) Penetrant Testing (DPI/PT) Level 1 & 2
- Radiographic Test Film Interpretation (RTFI)
- TOFD/Phased Array
- Visual Testing (VT)

Lifting Operations Training

- Lifting and Slings
- LOLER and Power
- Rigging Loft Controller
- Cranes (Mobile, Offshore, EOTC, Crawlers)
- Fork Lift
- Wirerope Socketing



*PFL Engineering Services Ltd.
now in partnership with Newcastle
College for all your training
requirements.*





ENGINEERING SERVICE
ACCESS TRAINING CENTER
www.pfiengineering.com

SAFETY FIRST
Always use proper safety techniques and use proper equipment.

SAFETY FIRST
SAFETY IS EVERYBODY'S RESPONSIBILITY

Health And Safety Training

As a full member of the British Safety Council and IOSH in Nigeria PFL Engineering Ltd are committed to improving best practices and safety within all of the operations in Africa.

Our team of dedicated Instructors boast of many years of experience from all over the globe operating in some of the hardest environments.

Providing Health and safety training can help your organisation by the following;

- *Ensure that people who work for you know how to work safely and without risk to health*
- *Develop a positive health and safety culture, where safe and healthy working ethics becomes second nature to everyone*
- *Meet your legal duty to protect the health and safety of your employees.*

Effective training:

- *Will contribute towards making your employees competent in health and safety.*
- *Can help your business avoid the distress that accidents and ill health cause.*
- *Can help you avoid the financial costs of accidents and occupational ill health, such as; damaged products, lost production and demotivated staff. Don't forget that your insurance might not cover all these costs.*

Our range of courses include the following:

- *Safe Manual Handling Techniques*
- *Abrasive Wheels awareness*
- *Work at Height Awareness*
- *Pressure Awareness*
- *Confined Space Entry and Rescue*



As the Chief Executive, I delightedly take accountability for the effective operations of the QMS
- Preye Berezi



In-house Medical Screening

At PFL we protect our greatest assets, our employees, all of our employees undergo medical screening and regular health checks at our own medical centre in our premises in Port Harcourt to ensure they are medically fit and capable of carrying out our range of services effectively to our clients.



At PFL, our people are our strength, professional, experienced and highly skilled personnel are the key to our success.



WHY PEOPLE CHOOSE US



Our experience and consistency



Clients satisfaction is our key priority



We reduce cost and maximize benefits

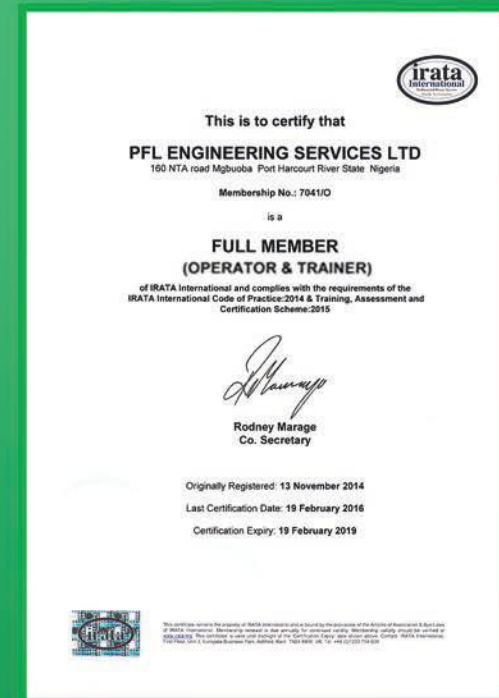
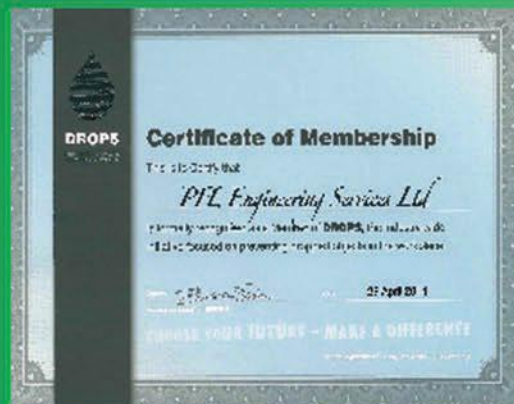


Quality and on time service delivery



Qualified and high skilled workforce

OUR CERTIFICATIONS



OUR CERTIFICATIONS



Page 1 of 2
Certificate No: LR1900247TM
Issue Date: 30 Aug 2019
Expiry Date: 30 Aug 2022

Lloyds Register Approved Service Supplier

Company PFL Engineering Services Limited
Address 160A Nta Road, Mgbuoba, Port Harcourt, Rivers State, Nigeria
Scope Thickness Measurement of Hull Structure - Type B (Ships- all Vessels as defined in MQPS, Book N, Procedure 17-1)

This is to certify that Lloyd's Register has approved the above firm in accordance with the requirements of the Lloyd's Register Approval for Thickness Measurement of Hull Structure in accordance with Lloyd's Register's Rules and Regulations for Classification of Ships as amended from time to time. The thickness measurements may be used by Lloyd's Register Group surveyors or shipowner's representatives when making decisions affecting classification, certification or the operation of a ship.

Personnel Authorised to carry out Thickness Measurement Survey's pertinent to this approval are listed on page 2 of 2.

The approval is conditional upon the aforementioned firm maintaining its audited scheme and notifying Lloyd's Register of any significant changes to that audited scheme including changes to personnel, equipment or procedures.

This certificate is issued to the above firm and is valid until the date given above.


Philip Alan Leaver
Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

71 Fenchurch Street, London, EC3M 4BS, UK

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

MQPS 1.0.0



PFL ENGINEERING SERVICES LIMITED

**CERTIFICATE OF
MEMBERSHIP
2019**

International Association of
Drilling Contractors



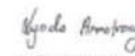
**British Safety Council
— Member —**



Valid until 30th February 2015

This is to certify that
PFL Engineering Services Limited

as a member of the British Safety Council, is committed
to keeping people safe and healthy at work.


Lynda Armstrong OBE
Chair of The Board of Trustees


Alan Butler
Chief Executive

British Safety Council is a Charitable Limited by Guarantee Registered in England and Wales No. 4050718. Registered Charity No. 1045071 and 1045072 (in Scotland).



OUR CERTIFICATIONS



BUREAU VERITAS
Certification



PFL ENGINEERING SERVICES LIMITED

Plot 32, Block 100, Furo Ezimora Street, Lekki Scheme 1, Lagos, Nigeria
This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

Scope of certification

INSPECTION (NDT, LIFTING EQUIPMENT & COATING) SERVICES, FIELD JOINT COATING, PASSIVE FIRE PROTECTION SERVICES, INSULATION, ROPE ACCESS, TRAINING (ROPE ACCESS, NDT & SCAFFOLDING), PROCUREMENT, EMERGENCY, MANPOWER SERVICES.

Original cycle start date: 01-DEC-2022
Expiry date of previous cycle: NA
Certification Audit date: 17-MAR-2022
Certification cycle start date: 01-DEC-2022

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: 30-NOV-2025

Certificate No. AFR 20221202 NIG QSE PFL Version: No.1 Issue date: 01-DEC-2022

A. A. B. B. B.
Certification body address: 8th Floor, 66 Prescott Street, London E1 8HG, United Kingdom
Local office: 11, Niger Street, off Aso street, Parkview Estate Ikoyi Lagos Nigeria.



Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +234 (08099904340)

BUREAU VERITAS
Certification



PFL ENGINEERING SERVICES LIMITED

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

The following site is part of the Management System of the above organisation:

HEAD OFFICE

Plot 32, Block 100, Furo Ezimora Street, Lekki Scheme 1, Lagos, Nigeria

TECHNICAL MANPOWER SERVICES

Certificate No. AFR 20221202 NIG QSE PFL -001
Version: No.1
Issue date: 01-DEC-2022

The validity of this certificate depends on the validity of the main certificate, which expires on: 30-NOV-2025

Certification body address: 8th Floor, 66 Prescott Street, London E1 8HG, United Kingdom
Local office: 11, Niger Street, off Aso street, Parkview Estate Ikoyi Lagos Nigeria.



Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +234 (08099904340)

BUREAU VERITAS
Certification



PFL ENGINEERING SERVICES LIMITED

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

The following site is part of the Management System of the above organisation:

DIVISIONAL OFFICE

160A NTA Road, Mgbuoba, Port-Harcourt, River State, Nigeria

ACCESS, INSPECTION, MAINTENANCE, TRAINING, EMERGENCY RESPONSE SERVICES & PASSIVE FIRE PROTECTION SERVICES

Certificate No. AFR 20221202 NIG QSE PFL-002
Version: No.1
Issue date: 01-DEC-2022

The validity of this certificate depends on the validity of the main certificate, which expires on: 30-NOV-2025

Certification body address: 8th Floor, 66 Prescott Street, London E1 8HG, United Kingdom
Local office: 11, Niger Street, off Aso street, Parkview Estate Ikoyi Lagos Nigeria.



Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +234 (08099904340)

OUR CERTIFICATIONS



Corporate Partner

**The American Society for
Nondestructive Testing, Inc.**

recognizes

Perfect Facilities Limited
as a Corporate Partner of this Society.

Dedicated to the development and perpetuation of the highest standards of professional service and efficiency in the field of nondestructive testing, ASNT exists to create a safer world.

Interim Executive Director

November 1, 2012

Date



Certificate Number: 442004/02000000
ABS Port Office: Port Harcourt, Nigeria
Date: 04 August 2017
Service Provider's address: NO. 104 SANTA ROAD, MGBORO, PORT HARCOURT, NIGERIA
Service Provider's Web Site: www.pflengineering.com
Online reported action, this certificate expires on 12 August 2018
For particulars regarding this recognition, see the ABS web site: www.abs.org

Certificate of Service Recognition

This is to Certify that
PFL ENGINEERING SERVICES LIMITED

having been audited by ABS and having given a satisfactory practical demonstration of the service listed below, is recognized by ABS as a Service Provider to provide services which ABS Surveyors may rely on to make decisions affecting classification or statutory surveys.

Hull Gauging Firms

It is the responsibility of the Service Provider to employ, train and qualify persons in the service provided. If the service requires approval from manufacturers, the service provider is responsible to maintain contact with the manufacturer and maintain any service manuals up to date. The employees who will conduct the service are to have photo identification and, if allowed, be listed on the company's web site (listed above). The products and models allowed to be serviced are to be listed on the company's web site. The ABS office issuing this certificate is to be kept updated with changes to the management of the company, its employees, products and models on the list and any changes made.

Note: Please refer to the ABS web site: www.abs.org for any comments regarding the services provided.

Stephen Crowe, Surveyor

Notes: This certificate is issued in accordance with the rules and standards of the American Bureau of Shipping and is valid only for the use of the Bureau. This certificate is a representative only. The Company has been assessed in accordance with ABS procedures and found capable of providing the listed service as stated by the assessed competent body. This certificate is granted by the rules and procedures in the rules and standards of the American Bureau of Shipping, who shall retain the sole right to judge these.



Jotun Performance Coatings

PFL Engineering Services Ltd
Plot 32 Block 100
Furo Ezimora Street
Nigeria

has been certified as an
Approved Applicator for:

Jotachar
the time saving solution

Certificate Number	215
Issued	20 th Aug 2017
Expires	19 th Aug 2020
Certified Since	20 th Aug 2017

Stephen Crowe
PFP Corporate Coating Advisor

Andy Czainski
Global PFP Sales Director

Jotun Protects Property



Jotun A/S
PO Box 2021
N-3202 Sandefjord
Norway
Email: tss.pfp@jotun.com

CORPORATE HEADQUARTERS



DIVISIONAL HEADQUARTERS







Corporate Headquarters

Plot 32 Block 100, Furo Ezimora Street,
Lekki Scheme 1, Lekki
Lagos State, Nigeria

Tel: +234(0)1 270 0290
Email: enquiries@pflengineering.com

Operational Office

160A NTA. Road, Mgbuoba,
Port-Harcourt,
River State, Nigeria

Tel: +234(0)8 470 0130, +234(0)8 470 0134
Email: training@pflengineering.com

Ghana Office

House No. 105 Salvation Street,
Paradise Estate Dome
Accra, Ghana

Tel: +233 (0)27 745 1565

www.pflengineering.com