

DNV OFFSHORE CONTAINERS **DESIGNING AND MANUFACTURING**



DNV MANUFACTURING VARIES AS PER CLIENT'S NEED & STANDARD REQUIREMENTS:

- DNV 2.7-1 Standard
- DNV 2.7-2 Standard
- DNV 2.2.2 Standard
- DNV 2.7-3 Standard



Head Quarters

No.5 National Supply Road
Trans Amadi Industrial Layout
Port Harcourt, Rivers State
Tel: +234 2084 558 789, +234 803 300 8856

USA Office

1940 Fountain View Dr.
Suite 210. Houston
TX. 77057
Tel: + 1 713 370 0333

NIXAMS INTERNATIONAL LIMITED

Email: info@nixams.com
Website: www.nixams.com

Through the Years, Safety Awareness have Increased in the Oil and Gas Industry.

Client's requirements have been Limited by Classes: DNV, ABS, BV, Lloyd's Register, BS EN ISO 10855-1 and Other International Standards.

With these Classes in the Industry, the Working Environment has become Safer and More Effective

DNV Standard, in the Past 6 Years, have become the Highest Requested Standard in Onshore and Offshore Facilities.

International Companies like Total, Exxon Mobil, Shell, and Others are using European Drilling Companies because all European Equipment are of DNV Standard.

In the Past and Still To Date; Companies have been Importing all their Offshore Equipment and CCUs from Europe for them to meet up with the market needs and that cost them a lot of Money.

Fortunately, NIXAMS happens to be the first Company in Nigeria to Succeed during the Past Years to Manufacture Locally, DNV Standard CCUs and have Successfully Executed Many Projects for Reputable Clients.

NIXAMS International Limited is your One-Stop Source for all your DNV Requirements.

It includes:

- Design and Engineering Verification
- Traceability in Materials Procurement
- Materials Inspection
- Fabrication
- Dimensional Check by DNV Inspector
- Welding by DNV Certified Welders
- NDT and Load Test as Per DNV Standard
- Blasting and Painting
- Final DNV Sign-Off and Final Certificate



DESIGN & ENGINEERING VERIFICATION

Design and Engineering Verification is the First Step of Any DNV CCU Production Process.

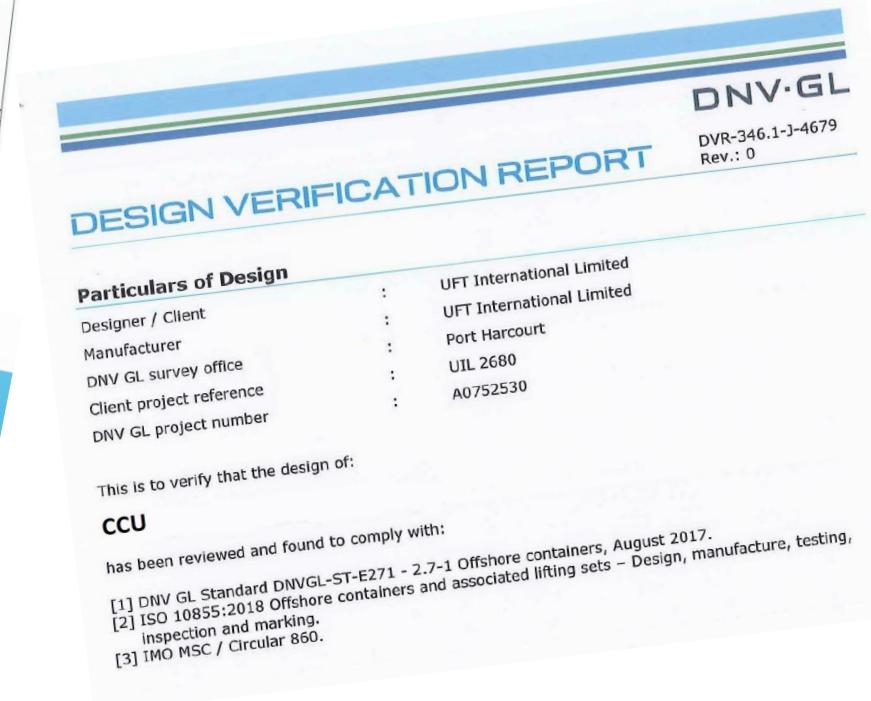
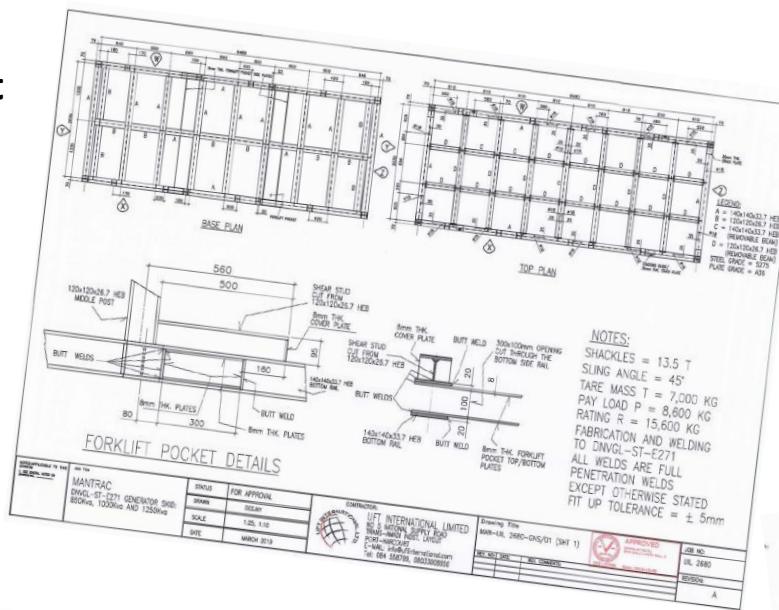
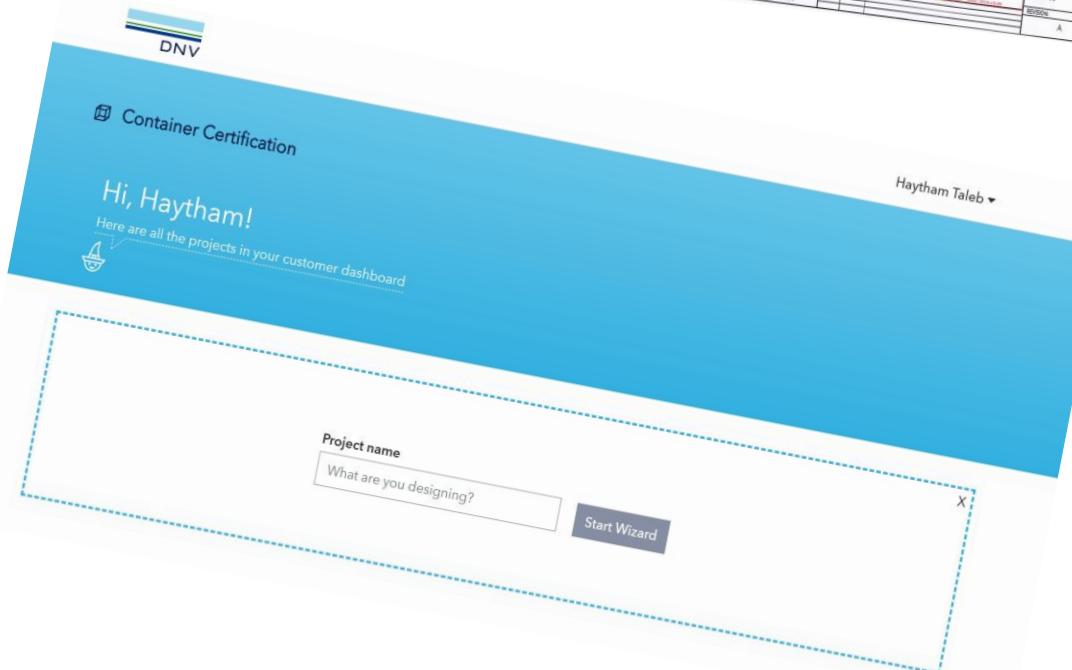
That will be Uploaded Online on DNV Platform to get Approval by DNV UK.

Hence DVR Document to Proceed with the Production Process.

For TYPE Approval; 20 Units of the CCU can be Produced from the DVR Issued.

Summary:

- Drawings
- Design Calculation
- Online Uploading
- Review and Approval
- DVR



TRACEABILITY IN MATERIALS PROCUREMENT

Materials Procurement is the First Step of Any Fabrication Process and Like Wise for DNV Standards.

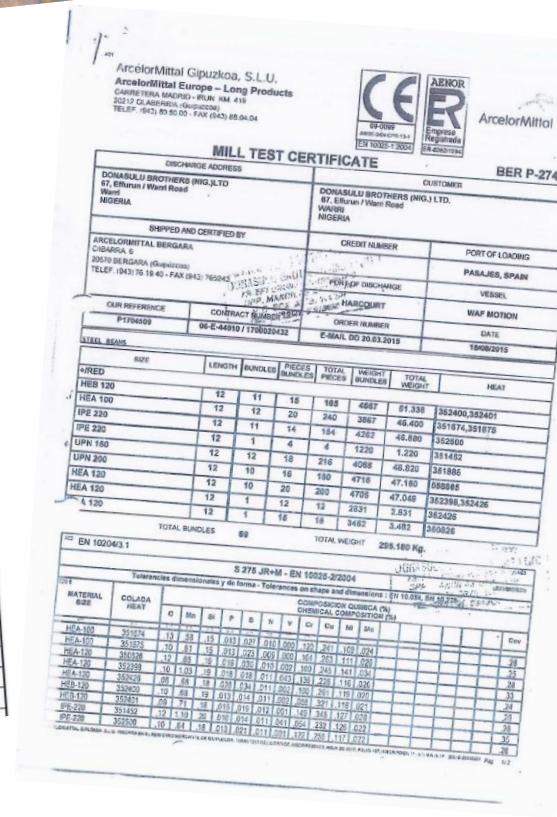
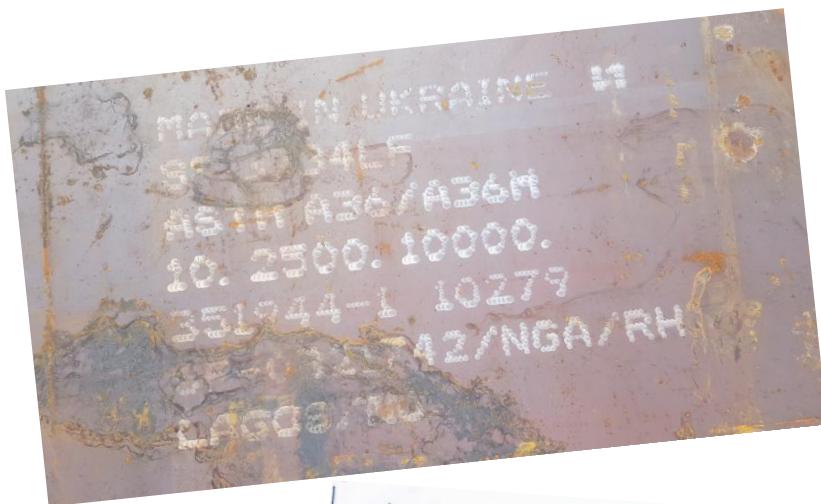
During Designing, Grade of Steel is Taken into Consideration and that will Also Reflect on the DVR Issued.

Materials Procures must be As Per Approved DVR and will Be Inspected by DNV Surveyor Before Commencement of Fabrication Process.

Not Procuring the Right Material will Lead to a Failed CCU and that will Fail During the Test Process.

Incase the Materials Does Not Have a Corresponding MTC as Per Approved Design; Then Lab Tests will Be Done on the Materials Under the Supervision of DNV Surveyor.

S/N	DESCRIPTION	SECTION TYPE	MATERIAL GRADE	DIMENSIONS (mm)		QTY.	TOTAL WEIGHT (KG)
				LENGTH	WIDTH		
1	BOTTOM SIDE RAIL	140x140x33.7 HEB	STEEL, S275	6620		2	446.19
2	BOTTOM END RAIL	140x140x33.7 HEB	STEEL, S275	2663		2	179.49
3	BOTTOM END RAIL	120x120x26.7 HEB	STEEL, S275	1328		4	141.83
4	BOTTOM INTERNAL RAIL	140x140x33.7 HEB	STEEL, S275	2663		7	628.20
5	BOTTOM INTERNAL RAIL	140x140x33.7 HEB	STEEL, S275	793		2	53.45
6	BOTTOM INTERNAL RAIL	120x120x26.7 HEB	STEEL, S275	793		4	84.69
7	BOTTOM INTERNAL RAIL	120x120x26.7 HEB	STEEL, S275	833		2	44.48
8	TOP SIDE RAIL	140x140x33.7 HEB	STEEL, S275	6340		2	427.32
9	TOP END RAIL	140x140x33.7 HEB	STEEL, S275	2530		2	170.52
10	CORNER POST	140x140x33.7 HEB	STEEL, S275	3820		4	514.94
11	SIDE POST	120x120x26.7 HEB	STEEL, S275	3850		13	1,336.34
12	SIDE POST	120x120x26.7 HEB	STEEL, S275	1865		3	149.39
13	SIDE BEAM	120x120x26.7 HEB	STEEL, S275	16345		1	436.41
14	CORNER POST CAP PLATE	30mm THK. PLATE	STEEL, A36	140	140	4	18.46
15	FORKLIFT POCKET	8mm THK. PLATE	STEEL, A36	2810	115	4	81.18
16	FORKLIFT POCKET	8mm THK. PLATE	STEEL, A36	2810	300	4	211.76
17	SHEAR STUD	CUT FROM 120x120x26.7 HEB	STEEL, S275	1800			



FABRICATION, FIT-UP CHECK, & WELDING

Fabrication is Being Done by Certified Personnel and Under the Supervision of Trained Supervisors.

Fit-Up Check and Dimensional Check is Conducted by DNV Surveyor Before the Commencement of the Welding.

Welders are to be DNV Certified and that is Done by Tests Supervised by DNV.

Welding is Done Per a DNV Approved WPS.

WELDING PARAMETERS									
Layers	Process	Filler Metal		Electrical			SOT mm/min	HEAT INPUT KJ/mm	
		Brand Name	Class	Diameter	Current / Range	Voltage Range			
Root	SMAW	Lincoln	E7018-1	2.4mm	DCEP	71-95	18-24	77-103	0.7-1.8
Hot	SMAW	Lincoln	E7018-1	3.2mm	DCEP	90-120	21-27	60-80	1.4-3.2
Fill	SMAW	Lincoln	E7018-1	3.2mm	DCEP	101-135	21-27	100-134	0.9-2.2
Cap	SMAW	Lincoln	E7018-1	3.2mm	DCEP	97-131	21-27	87-117	1.0-2.4

DNV-GL

UFT INTERNATIONAL LIMITED

Name: (Signature) Name: BEN-AR OGEK
Designation: SURVEYOR DNV-GL

Date: 03/10/2018 Designation: SURVEYOR DNV-GL

Date: 2018-10-03 Signature: (Signature)

Signature: (Signature)

DIMENSIONAL CONTROL MANUFACTURING INSPECTION REPORT
Report No: DMI-MAN 2680-GNS/07
PROJECT NAME: Skid for 800, 1000 and 1250 KVA Generators
DRAWING NO.: MAN-UIL 2680-GNS/01 (Sht1-Sht7)
UNIT SERIAL NO.: MAN-UIL 2680-GNS/07
REPORT NO.: DMI-MAN 2680-GNS/07
CLIENT: MANTRAC NIGERIA LIMITED

DIMENSIONAL CHECK
THE GENERATOR SKID HAS BEEN DIMENSIONALLY CHECKED AS FOLLOWS:
1. SKID BASE
2. STRUCTURAL BEAMS FITTING DIMENSIONS
3. HEIGHT OF SKID
4. OVERALL DIMENSIONS OF SKID STRUCTURE
5. PADEYES DIMENSIONS AND FIT UP

WELDER QUALIFICATION TEST CERTIFICATE

Welder's Name: CHRISTIAN OGHUA
Welder's ID: UIL-WOR-006
Test Location: UFT International Limited Base - Port Harcourt
Date of Test: 03/10/2018
PGC No.: UFT-PGB-001
WPS No.: UFT-WPS-2504-01

Test Details: AWS D1.1 2010 Edition
Specification / Code: SMAW / Manual
Welding Process / Type: 6g / UPHILL
Position / Progression: 6g / 6g

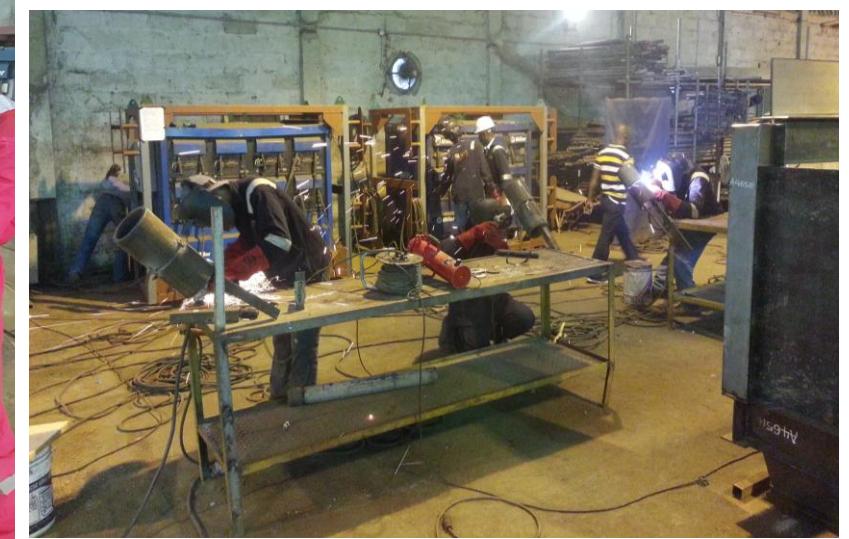
Base Metal / Filler Metal: 6" Sch. 80
Pipe Diameter: A106 GR. B
Base Metal: E7018-3 & 3.2mm Uncoated
Filler Specifications No.: AWS 5.1

NDT Results: Visual Inspection: Acceptable
Radiographic Test: Acceptable
Report No.: VIB-UIL-2618-006
Remarks: Satisfactory

We Certify that the statement in this record are correct and that this test coupon was Prepared, Welded and Tested in accordance with the requirements of relevant section AWS D1.1 Structural Welding Code - Steel 2010 Edition.

UFT International Limited
Keycode: 00000000000000000000000000000000
Date: 03/10/2018
Signature: (Signature)

DNV-GL
Base Line
03/10/18



PROJECTS EXECUTED

Client: UFT Engineering Limited



Project: DNV 2.7-1 20Ft Basket

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base

1st DNV 2.7-1 Unit to be Fabricated in Nigeria



PROJECTS EXECUTED

Client: Schlumberger Nigeria Limited

Schlumberger

Project: DNV Generators Skid

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base – Port Harcourt





Client: BAKER HUGHES, A GE Company

BAKER HUGHES
a GE company



Project: DNV 2.7-3 Sub-Sea Annulus Basket

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base



PROJECTS EXECUTED

Client: SEADRILL



Project: DNV 2.7-3 Reel Basket

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base



PROJECTS EXECUTED

Client: HALLIBURTON

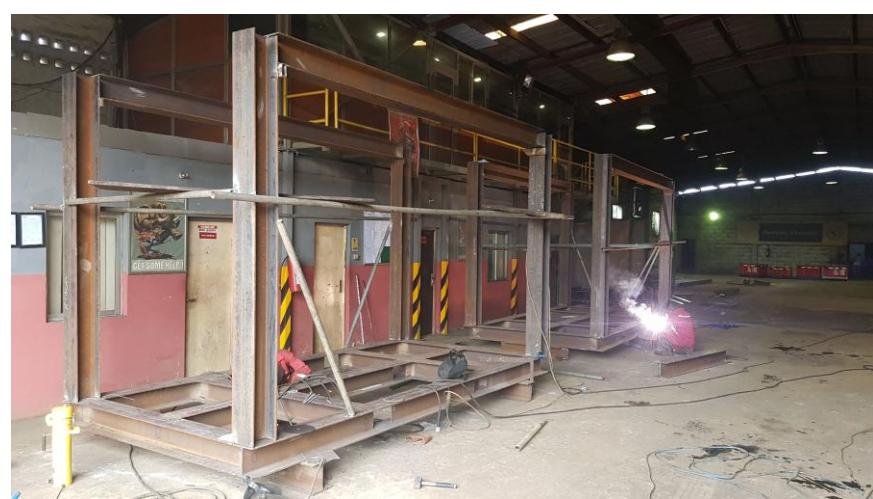
HALLIBURTON

Project: DNV 2.7-1 SPS Skid

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base



PROJECTS EXECUTED

Client: FRIGATE UPSTREAM

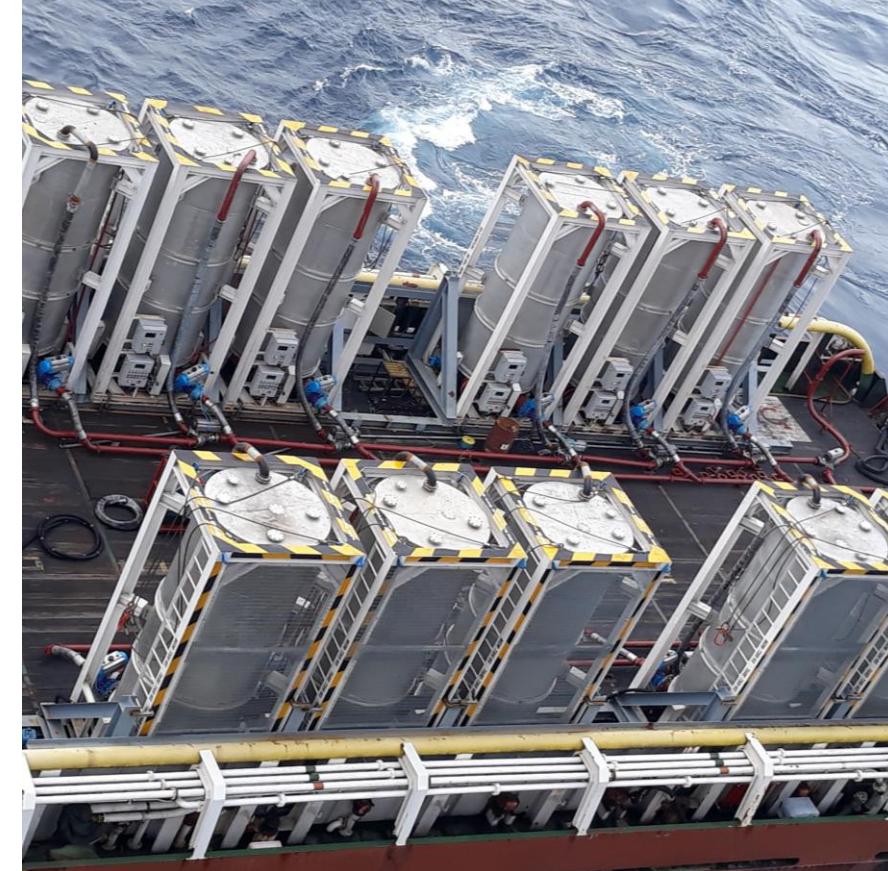


Project: DNV 2.7-1 Mud Tanks – 2 Nos.

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base



PROJECTS EXECUTED



Client: Schlumberger Nigeria Limited

Schlumberger

Project: DNV 2.7-1 WLL Tools Box

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base

PROJECTS EXECUTED



Client: Schlumberger Nigeria Limited

Schlumberger

Project: DNV 2.7-1 WPS Equipment Skid

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal



Fabrication: NIXAMS Base

Client: MANTRAC NIGERIA LIMITED



Project: DNV 2.7-1 Generator Skid – 15 Nos.

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base





Client: Schlumberger Nigeria Limited **Schlumberger**

Project: DNV 2.7-1 WPS Low Pressure Manifold Skid

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base

PROJECTS EXECUTED



Client: Schlumberger Nigeria Limited

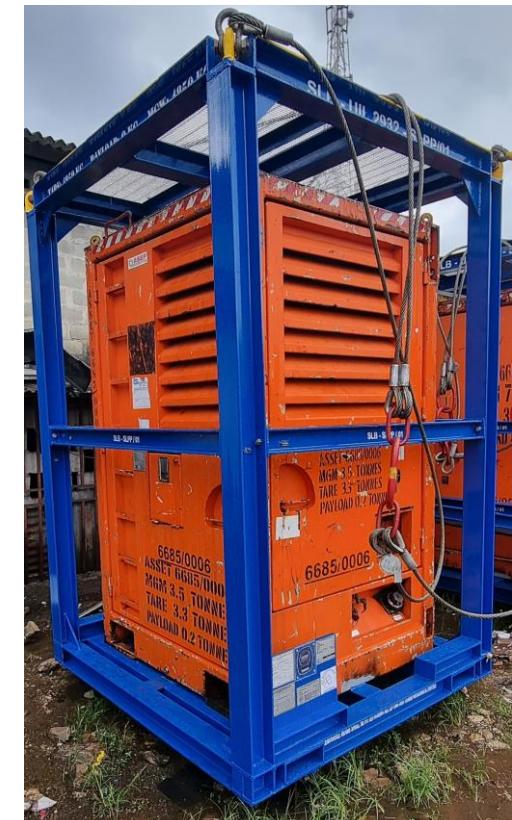
Schlumberger

Project: DNV 2.7-1 WLL Slick-Line Equipment Skids

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base





Client: Schlumberger Nigeria Limited
Schlumberger

Project: DNV 2.7-1 WPS SPS 3in1 Units Skids

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base

PROJECTS EXECUTED



Client: Schlumberger Nigeria Limited

Schlumberger

Project: DNV 2.7-1 Testing VX Multi-Phase Flow Meter Skid

Scope of Work:

- **Design, Engineering, and DNV Approval**
- **Supply of Material**
- **Fabrication, Welding, NDT and Load Test, and Painting.**
- **Acquire DNV Final Certificate and Decal**

Fabrication: NIXAMS Base



PROJECTS EXECUTED

Client: DTN Integrated Services Ltd.



Project: DNV 2.7-1 20Ft Mobile Valve Workshop Skid

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base



PROJECTS EXECUTED

Client: HALLIBURTON

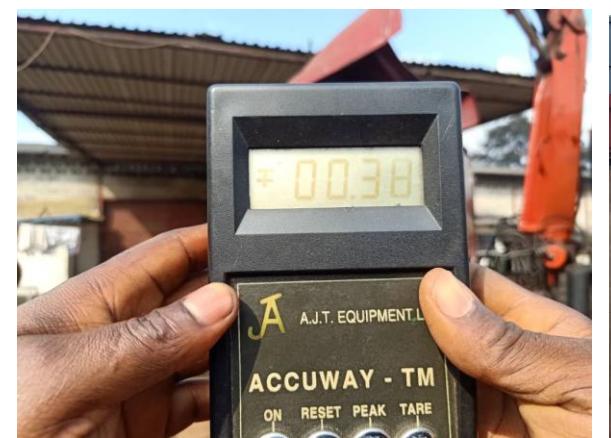
HALLIBURTON

Project: DNV 2.7-1 WPS Tools Basket

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base





Client: Schlumberger Nigeria Limited

Schlumberger

Project: DNV 2.7-1 WLL Tools Rack

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base

Client: MANTRAC NIGERIA LIMITED



Project: DNV 2.7-1/CSC Generator Sound-Proof Container

Scope of Work:

- Design, Engineering, and DNV Approval
- Supply of Material
- Fabrication, Welding, NDT and Load Test, and Painting.
- Acquire DNV Final Certificate and Decal

Fabrication: NIXAMS Base

1st CSC Container to be Fabricated in Nigeria

