

Nigeria's Leading Fabrication Company



Company Profile



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Brief Overview

Summary

Aveon Offshore Limited (formerly Grinaker-LTA Construction Nigeria Limited) is focused on providing Construction services in Nigeria. After being incorporated in 1999, and being registered with the Nigerian Upstream Petroleum Regulatory Commission for Engineering and Construction services in the oil and gas sectors, Aveon Offshore Limited is more than ever in line and compliant with the Nigerian content requirements as it is owned by a consortium of Nigerian investors.

Since its incorporation, Aveon has become involved in a wide spectrum of activities in the construction field. The initial activities commencing in the field of fabrication and installation of plant and equipment have focused on the onshore and offshore oil and gas sectors.

In due course, infrastructure projects related to power, water, and transport are anticipated as Nigeria upgrades and liberalizes these sectors.

Aveon facility/yard of 330,000 m² in size (50,000 m² covered & 280,000 m² uncovered) is located at Eagle Cement Road, Rumuolumeni, Port Harcourt, Rivers State, Nigeria.





Capability

Aveon capability concentrates on satisfying the in-country / local fabrication requirements for the oil and gas sector. The areas of interest are:

Fabrication

Fabrication for new installations – topside structures, jackets, metallic caissons, bridges, decks, helidecks, suction & driven piles, boat bumpers, protectors, riser guards, pipe spooling, flare/vent booms, equipment modules, skids, subsea manifolds, PLEMS, FLEM, etc.



Supply

Supply & fabrication of pressure vessels as per ASME U & U2 certificate and National Board R & NB certificate.



Offshore

Repairs and refurbishment of aging platforms/drilling rigs/ supply of labor and equipment / offshore operations support services (marine security/escort, mooring services, houseboats, barges).



All works including commissioning shall be completed as per client specifications and international ASME, NB, ANSI, BS, AWS, NADPC and API standards.

The company sees it as its duty to advise clients on equitable levels of environmental safeguards to be incorporated into a design or construction program where a hazard may not be covered by regulations or client policy.



Nigeria's Leading Fabrication Company

Yard, Jetty & Quay Details



Yard, Jetty & Quay Details

Fabrication Capacity

- **Structural Steel** – 800 tons per month
- **Piping** – 250 tons per month
- **Welding**
 - Piping Alloy, SS/Duplex: 6,000 standard diameter inches per month
 - CS: 10,000 standard diameter inches per month
 - Structural – 5,000 linear meters of welds per month

Alternatively, the yard can utilize approximately 180,000 direct man-hours per month for structural and 100,000 direct man-hours per month for piping.

Machining Capacity

- Minimum tolerance: 0.05 mm (HBM)
- Maximum weight per piece: 30 ton (HBM)
- Maximum size per piece: 8m L x 3m W x 4m H (HBM)
- 1 no. Faro Arm measuring equipment with a reach of 3.7m in diameter
- 1 no. Romer Arm measuring equipment with a reach of 4.5m in diameter



Painting Capacity

- **Blasting & priming:**
150 m2 per day for raw materials & sub-assembly
- **Blasting & painting:**
 - White workshop: 20 m2 per day for SS and duplex piping
 - Carbon Steel workshop:
- 100 m2 per day blasting for touch-up or not pre-painted area
- 300 m2 per day touch-up or final painting

The shop can accommodate complete modules fully pre-scaffolded for touch-up/final painting and/or blasting and painting of not pre-painted areas. Humidity controlled, work around the clock (day and night) whatever is the outside hygrometry.

Road and River Access

- **By Road**
One Main access from Eagle Cement road, secondary access at the back
- **By River**
Refer hereunder to the description of the Jetty/quay



Jetty / Quay

Existing jetty

80 meter long x 25 meter wide, has been revamped for load out by cranes (single lift of 250 ton with crane Manitowoc 2250T and Maxer superlift). Load bearing capacity 7 ton per m2.

New jetty

72 meter long x 25 meter wide. The 72 meter length jetty has 30m at the middle of 10 ton per m2 capacity for load-out by multi-wheeled trailer and 21m both side of 4 ton per m2 capacity.

Slip Way

51m long x 30m wide, 2000 ton capacity slip way.

Water Depth at the jetty

- 9m at HHWL (1.5m in air + 7.5m in water)
- 9m at MSL (2.7m in air + 6.3m in water)
- 9m at LLW (4m in air + 5m in water)

Water Depth of the channel to open sea

- The depth at the center of the river channel is 15m during high tide and 12m at low tide.
- The channel is chartered up to Aveon



Covered Workshops, Stores and Yard Facilities

Workshop A

Size 14mW x 55mL with 2-off 5-ton electrical overhead cranes with bay dimensions of 60m and 2-off 2-ton jib crane. Connected to this shop is the pipe/tubular cutting area having a size of 36m length and 12m width, equipped with a 4axis 60amps 380V profile cutter with inflow discharge conveyor (42" dia. Maximum capacity).

Workshop B

Size 14mW x 55mL with 2-off 5-ton overhead cranes with rail dimension of 60m length, 1-off 2-ton jib crane, 4 head CNC controlled programmable plate profiler cutter, lathe machine, radial arm drill, band saw and roller machine of 40mm thick x 2.5m length plate capacity.

Workshop B

Size 26m L x 25m W x 12m hook height with 2-off 10-ton overhead cranes.

Workshop C

Dimension of 60m length x 30m width x 15m height, equipped with 4 number 32 ton overhead electrical crane with a bay dimension of 80m length, 50mm thick x 3m wide capacity plate roller machine, big and small SAW welding machine, and various electrical welding machines.

Workshop D

Size 36m L x 13m W x 12m H. Usually used for small structural & CS piping.



Workshop E

Size 50m length x 13m width x 6m high with 4 number 2-ton chain blocks. The shop is specific for Duplex/SS small bore. White workshop.

Workshop F

With dimensions of 60m length x 40m width x 12m hook height, equipped with 4 number 32 ton overhead cranes with bay dimensions of 80m length, 100mm thick x 4m wide capacity plate roller machine, big and small SAW welding machine and various of electrical welding machines.

Workshop G

This shop is 31m length x 21m width x 13.5m hook height in size. The shop is equipped with 1-off Horizontal Boring Machine, 2-off 30 tons overhead cranes, 1-off 600mm swing x 3m bed lathe machine, 2-off 2m x 2m x 51mm dia. drill with 600mm dia. max boring bar. Radial Arm drill machine.

Workshop H

78m length x 25m width x 13.4m hook height. The shop is equipped with a 2-off 25-ton overhead crane with a bay of 78m in length x 25m width and various electrical welding machines.

Workshop I

78m length x 25m width x 14m hook height. The shop is equipped with a 2-off 25-ton overhead crane with a bay of 78m length x 25m width, and various electrical welding machines. The shop is used for large-bore and small-bore duplex, SS, and Inconel materials only. White workshop.

Workshop J

100m length x 50m width x 14m hook height. The shop is equipped with 4-off 25-ton overhead cranes with 2 bays of 100m length x 50m width each, and various electrical welding machines.

Insulation bay

Warehouse and Tool store

Size: 2,750m²

Includes airconditioned store for E/I materials



Blasting and painting facility.

Small Carbon Steel Painting Shop

Total Size: 32m L x 15m W x 10m H

Shop equipped with 1x blast pot, 2x shot blasting machine, spray painting machines, 1x pressure vessel compartment, 2x diesel compressor, 2 way 200m length rails, 16x lorries on 4 wheels with a maximum allowed charge of 2,000 Kg per lorry, 3x spray booth with dry filtering type 3020 SH, exhaust ducting, abrasive recovery system.

The shop is divided into 2 main sections, the prefab and the technical room.

Prefab Section

- Size – 32m L x 7m W x 3.5m H with an opening door at both ends of 3m H x 3.75m W (hinged door) in size.
- Inside the cabin, 2 compartments are available the blast room (size 13m L x 7.5m W x 3.5m H) and the paint room (size 14m L x 7.5m W x 3.5m H) with entry sluice in between.

Technical Section

Size – 16m L x 4.9m W x 7.9m H)

Placed to one longitudinal side of the blast room for the compressors, elevator, etc., and filter with 3 walk doors of 2m H x .8m W.

Big Carbon Steel Painting Shop

- Total Size: 40m L x 30m W x 22m H
- Bay Dimension: 40m L x 30m W

Stainless Steel Painting Shop

- Total Size: 19m L x 20m W x 8m H
- Bay Dimension: 19m L x 20m W

Warehouse and Tool Store

- Covered warehouse: roughly 2,750m²
- Tools store area: 270m²
- Electrode oven area: 12.5m²



Main Fabrication/ Handling Equipment

Yard Utilities Services

Base Camp

Capacity 200 beds, 9 x 500 KVA Power Station

2 Canteens Capacity: seats 100

First Aid Clinic

With emergency facility and complete with all equipment and first aid kit

- 1-off Manitowoc crawler crane, 400 ton with Maxer / 275 ton without Maxer
- 1-off Manitowoc crawler crane, 250 ton
- 1-off Manitowoc crawler crane, 200 ton
- 1-off Manitowoc crawler crane, 150 ton
- 3-off Grove 30 ton mobile cranes

- 2-off Tower cranes of 20 ton each
- 7-off Forklift (capacity ranging from 2.5 to 12 ton)
- 24-off Overhead cranes (capacity ranging from 3 to 30 ton)
- 2-off Electric winch, 16 ton
- 1-off Self-propelled bogie, 80 ton
- 2-off Self-propelled bogie, 200 ton
- 1-off Self-propelled bogie, 400 ton
- 2-off Manlift with 17.65m working height, 15.65m platform height & 10.6m maximum horizontal outreach.
- 1-off Manlift with 20m working height, 18m platform height & 12m maximum horizontal outreach.
- 1-off Manlift with 28m working height, 25.75m platform height and 21.45m maximum horizontal outreach.
- 1-off 107mm thick x 4m wide plate roll machine
- 1-off 50mm thick x 3m wide plate roll machine



Certifications



ISO 9001:2015



ISO 45001:2018



ASME U



ISO 14001:2015



ASME U2



Repair Certification







Port Harcourt

Aveon Offshore Facility, Eagle Cement Road,
Rumuolumeni, Port Harcourt, Rivers State, Nigeria

Lagos Office

50C Glover Road, Ikoyi, Lagos, Nigeria

info@aveonoffshore.com

www.aveonoffshore.com