



**AFROBUS**

**FIBERGLASS VESSELS**

**PRESENTATION**

**A passion for Excellence**



**BOAT**



**PONTOON**



**HOVERCRAFT**

# **PRESENTATION; FIBERGLASS VESSELS**

## **BOAT/ CATAMARAN (PONTOON BOAT) & HOVERCRAFT BOAT**

We are Manufacturers of Custom Fiberglass commercial and leisure boats and catamaran (pontoon) and hovercraft boat in all as (“BOATS”) for sale to individual and corporate clients and provide consultancy and advice for their marine requirements. Our technical experts have been in business for over 25years in building boats with quality, durability, low maintenance and efficiency in mind. Our fiberglass boats hand laid by skilled fiberglass laminators using only the highest grade materials, which is impervious to rust and has no aluminum welds to break, making it durable even after years of use. Our fiberglass boats are durable and are topped with a sturdy fiberglass deck and overall commercial construction. We also provide fiberglass repair and boat refurbishment services, by people who manufacture boats in the first place is the best kind of repair service you can get.

### **Our Commercial boats Categories**

Our boats are made in three categories: commercial and pleasure boats.

The pleasure boats come in the following models;

1. Small-size Commercial Boat are made custom to your order for either recreational fishing and leisure.
2. Mid-size commercial boats are for a variety of purposes. They serve well for camp transport water taxi and fun, diving expeditions, or wildlife observation. Custom furniture is available from diving equipment bays to bench seating.
3. Large-size commercial boats are also for a variety of purposes They serve well for deep sea fishing, transport and fun, diving expeditions, or wildlife observation. We have the capability to

obtain US Coast Guard certification for the Lakes, Bays, and Sounds category. We can build boats up to 48' in length. Final certification depends on the configuration and equipment.

Our 40 and 32 feet length boat hull has a larger seating capacity and a wider beam that offers multifunctional workhorse that can be customized to serve as deferent boat and catamaran (pontoon) for: touring / exploring, diving, ferrying people (Passenger) / Cargo/ Sightseeing/ Patrol / Rescue/ Scuba Diving / Water Ambulance.etc.

It can be equipped with different outboard and inboard engines. It has a large list of optional equipment to choose from.

### **Benefits to Owning a Fiberglass Boat.**

There are 8 Benefits to Own a Fiberglass Boat. To many fishermen, fiberglass boat is the type of watercraft that they are looking for. Fiberglass boat has been very popular among anglers for some time now for many different reasons. here are some benefits to owning a fiberglass boat;

#### **1. Easy to Maintain**

Perhaps the biggest benefit of all is the fact that a fiberglass boat is much easier to take care of. With an aluminum, or a wooden hull boat, you are always looking at painting, sanding, or fixing any leaks caused by rocks and beaching. A fiberglass boat can withstand a lot more punishment, especially when it comes to beaching it. Cleaning the boat is much easier with some very good cleaning products suited perfectly for fiberglass boats.

## **2. Lighter Boat**

A fiberglass boat is going to be lighter than a wooden boat. The aluminum boat is going to be a little lighter, but in general, the fiberglass boat is going to be lighter to push through the water. This means that the engine needed to push a bigger boat does not need to be as large as with a wooden hull boat.

## **3. Easily Molded**

Building a fiberglass boat is a simple process for boat builders. Many of the low profile bass fishing boats are made out of fiberglass because of the way that they can be molded with clean lines. These boats also sit higher in the water than other materials because of the foam core in the hull.

## **4. Clean Lines**

A fiberglass boat is going to have a very smooth exterior to it. Aluminum boats have ribs on them that gives them a more utilitarian look. Fiberglass boats are smooth to the touch and have very sleek lines which causes it to cut through the water in a much more efficient way.

## **5. Quieter Ride in Water**

As you go along in the water there is a "lapping" sound of the water hitting the hull. In a fiberglass boat this noise is not as loud as in a wooden or aluminum boat. This is very convenient when the fiberglass boat is a cabin cruiser or large recreational boat.

## **6. Great for Cabins**

Since fiberglass boats are made from molded fiberglass the cabins are streamlined so they do not cut down on the efficiency of the engine. Cabins are smooth and sleek just as the exterior hull is.

## **7. Can Be Kept in Water**

Many people who own a fiberglass boat will leave them in the water for a few months at a time without having to take them out. This is because it is harder for urchins to attach themselves to the smooth surface of the hull. The exterior of the boat will need to be clean before putting it away for the season if left in the water for a few months, but there will not be any structural damage.

## **8. Easy to Repair**

If there is some damage to the fiberglass boat it is very easily repaired with the use of epoxy or other fiberglass patch. This type of material will harden like the fiberglass exterior and provide a waterproof seal.

The use of fiberglass has many benefits to the boat builder. Fiberglass withstands harsh marine environments with ease. It is impervious to the corrosion and rot that frequently destroy wooden and metal boats. When finished properly, fiberglass is unharmed by intense sunlight and the temperatures of tropical environments.

Fiberglass construction techniques allow boat builders to use long, sweeping, compound curves that are impossible to replicate with metal or wood. This allows marine architects ultimate freedom when designing a new boat.

In addition, fiberglass construction lends itself to mass-production without a decrease in quality or hull integrity.

Despite these characteristics, fiberglass cannot tolerate abrasion and impact as well as other materials of boat construction. These two types of damage – abrasion and impact – account for the vast majority of damage to fiberglass boats. Luckily, damage of this type is often simple and inexpensive for the boat owner to repair.

## **Marine Improvement – Legislation – Accidents – Fleet improvement**

### **We Can Provide the Following Services;**

#### ***1. Provide special boats for;***

- a) Use as water taxis, carriage of goods
- b) HDPE ‘unsinkable craft’ rescue and patrol boats
- c) Setup repair and maintenance centres with a tuition subdivision
- d) Improve landing and docking amenities - new systems and buildings
- e) Setup a bamboo processing and training scheme to produce laminated bamboo (furniture and decking materials) locally creating direct and indirect new jobs employing local people.

#### **2. Passenger Ferries**

- a) Supply vessels for commercial ferry use to 100 people or a combination of people and cargo
- b) Setup boatbuilding facilities to enable the construction of FRP boats for use as passenger ferries, fishing and other commercial activities with a scheme to create new jobs employing local people
- c) Supply Life Saving Appliances (LSA) and supplementary safety equipment to vessels all to IMO standards.
- d) We have a design and consultancy sector for boat builders and users who are looking to expand their range of vessels, ensuring they are safe and fit for intended purpose, not forgetting platoons, landing sites etc.

### **3 Regulatory procedures**

- a) Development codes of practice – safety and operational
- b) Vessels in commercial use for the carriage of goods and equipment
- c) Vessels in commercial use for the carriage of passengers
- d) Vessels in commercial use and for fishing
- e) Floating devices for tourism purposes etc.

### **4. Human Factors – provide training and operating instructions**

#### ***Operator training materials for:***

- a) Stability
- b) Navigation
- c) Watch keeping
- d) Fire fighting

### **5. Navigation and Charts**

***We have a direct association with a recognised Boat Building Facilitator that specialises in Navigation and Chart building and can:***

- a) Working with the local commercial operators establish and plot navigational channels by the installation and use of bottom mapping sounders such as OLEX & Roxanne combined with DGPS to obtain accurate data on depth and

subsurface hazards such as associated with **Oil Rigs And Pipelines** enabling safe navigable channels to be plotted and charted from the supplied data.

- b) Produce charts in both electronic format for use with electronic chart plotter systems as an overlay to basic electronic charts
- c) Supply paper charts to use in conjunction with navigational aids

***6. We can; update the inland waterways transport crafts replacing the defective wooden dug-out boats now in use, we can:***

- a) Supply vessels to meet the growing requirements of communities for affordable marine transportation
- b) Develop boatbuilding skills and teaching facilities to enable the production of safe and fit for purpose vessels using local labour, generating major employment opportunities
- c) Establish and coordinate a national boat build construction standard with codes of practice that can be audited to ensure improvement in safety and safety procedures continued.

***7) Boat Docking, Passenger Landing Facilities, and Goods Terminals***

***We can:***

- a) Supply pontoons and docking systems for passenger landing and cargo movement and other commercial use
- b) Provide passenger waiting terminals
- c) Supply designs and develop locally a manufacturing facility for boat landing manufacture facilities creating new employment opportunities



**8. We can generate proper Navigational Routes and charts with:**

- a) Supply special survey equipment and survey vessels to chart sovereign waters, navigable rivers and lakes
- b) Provide equipment to convert data into electronic charts overlays for any digital marine chart plotter system.
- c) Print paper charts with additional information on navigational safety and other information deemed necessary by the authorities

**9. We can supply special boats for patrol and surveillance**

- a) Supply and equip patrol boats for use by Customs officers and Sovereign naval task forces fitted out to any given required specification
- b) Develop a full military specification for approval prior to construction on agreed contract forms.
- c) Offer replacement options; agreed whereby long term supply of patrol vessels can be discounted by the return for sale of the current vessel
- d) Integrate Surveillance technology into patrol vessels including night vision, night vision cameras and recording systems
- e) Advise on the setup and installation of Automatic Identification Systems (AIS) for onboard commercial vessels enabling monitoring of any marine traffic at anytime in Sovereign waters<sup>9)</sup>

**10. We can set up and implement a system for a Sovereign Ship Registry**

- a) Set-up training for surveyors with training manuals and material including seminars and establishes core procedures for local surveyors
- b) Oil and gas industry and shipping service
- c) We can provide special craft and training required with offshore supply and support vessels as well as delivering other regular services to this sector

**11. Aptitude and organizational preparation and strengthening**

- a) We can provide consultants to upgrade and instruct the Ghana maritime authority surveyors in all aspects for the inspection of MODUs
- b) Supply experienced consultants (inspectors) to inspect and advise on all regulatory and technical matters.

**12. We can establish safety zones and distribute information to mariners, provide overlay charts in both electronic and paper formats marked with MODUs and Pipelines /cables/anchors that pose hazards to seafarers.**

- a) Charts can be marked with every subsea/surface hazard and the appropriate exclusion zone applied to ensure the navigational safety of marine users.
- b) Setup procedures and information gathering systems for the movement and installations of offshore structures both surface and sub-surface.

- c) Develop and maintain a website for offshore hazard information. Where chart information can be downloaded for installation onto ship plotter systems.
- d) Provide e-alerts and disseminate flyers and information on subsea and regional surface hazards including navigable waters as rivers and lakes. )

### ***13. We can supply and construct Search and Rescue Vessels***

#### **The Reason Why Now is a Great Time to Enter the Boat Business**

There are four reasons why now is a great time to enter the boat business. The secret is out: the boat business is growing around the globe. And has been present in our world for as far back as civilization can remember. Long before we had vessels to travel overland with, boats provided the vital lifeline for travel and transport. In some ways, the more things change, the more they stay the same. However, there is one major difference in the 21st century world of water vessels.

Now, savvy business owners and entrepreneurs are looking towards the small boat industry for all of the growing possibilities that it holds in unexpected areas of the world. Localized markets in the western world are consistently creating new uses for small passenger boats and they are proving to be lucrative.

**Here are four reasons why now is a great time to enter the boat business:**

1. The right vessel provides a wide variety of options for multiple uses;

**Passenger boat** for example as water taxi services like Scheduled service, Group Transportation and Special event transportation, Sightseeing tours such as riverfront tours, dinner or sunset cruises, Waterfront cruises, historic landmark tours, and nature tours.



A **catamaran (pontoon boat)** is a multi-hulled watercraft featuring two parallel hulls of equal size. It is a geometry-stabilized craft, deriving its stability from its wide beam, rather than from a ballasted keel as with a monohull sailboat



**A hovercraft**, also known as an air-cushion vehicle or ACV, is a craft capable of travelling over land, water, mud, ice, and other surfaces. Hovercraft are hybrid vessels operated by a pilot as an aircraft rather than a captain as a marine vessel.



## **WATERWAYS ARE STILL THE ONLY WAY MANY PLACES CAN BE REACHED**

In particular, in parts of Africa, poor roadways – traffic jam or no roadways at all – offer amazing potential for water transportation businesses.

Well run boat businesses that ensure high safety and environmental standards are poised to become the industry leaders in these markets as they provide an option for passengers that assures them of safety, reliability and comfort.



## **THE PASSENGER BOAT BUSINESS WILL BE BOOMING ON THE AFRICAN MARKET**

It has recently been acknowledged as one of the best businesses to get started in the African continent.



Excellent pricing has kept the passenger boat market within reach of many small business owners who have done their research on the needs and desires of their particular market.

New technology is also rapidly advancing the efficiency and performance of boats, allowing for special boats to be better suited to take on specific challenges.

#### **4. GROWING GLOBAL BUSINESS OPPORTUNITIES**



With numbers in global tourism continually rising each year, passenger boat owners have multiple avenues for referral and reciprocal business at the local level.

What's good for the local, ethical business owner is also good for local businesses in general. When local businesses developed around tourism and service recognize the exponential power of referral and partnership businesses, everyone wins.

## **OUR PRESENTATION ONE**

### **FIBERGLASS BOATS MANUFACTURING ASSEMBLY LINE TO BE SITED IN GHANA**

Factory size 1,600 square meters

The factory equipped with

1. High tension oven
2. High presser compressor air flow
3. Conveyor system
4. Heavy duty hoist clay
5. Spray booth





**VIEW; BELOW ARE FIBERGLASS 40FEETS BOATS TO BE DELIVERED IN GHANA AS PROTOTYPE FOR THE FIRST PHASE**

**Among them as follows;**

- 1) 37 seat Passenger boat**
- 2) 30 seat tour boat**
- 3) Water ambulance**
- 4) Commercial fishing boat**
- 5) Petrol boat**
- 6) Catamaran (pontoon boat)**
- 7) 6 seat Hovercraft**

**Pictures presentation by appendixes**

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