**COMPANY PROFILE**

ADAMS (Advanced Materials and Services) was founded in 1992 by a highly experienced Naval Architect/Marine Engineer. It is manned by Naval Architects, Marine Engineers and deck officers. It has a setup of drawing and design office. Some of the staff has experience of over 40 years . The  firm is involved in wide range of technical fields and became known for solving difficult and innovative design applications. Main fields are:

A. Naval Architecture & Marine Engineering

B. Mechanical Engineering

C. Engineering Design

D. Composites/GRP

E. Fisheries

F. Nano Technology

We can collaborate in Project design, manufacture, supervision and provision of production drawings

**SUMMARY OF SOME PAST ACTIVITIES**

**STEEL**:

* Designed built 350 tons self-propelled cargo barge for IWTDC at Daudkhel with no facilities available. Still operational
* Designed for international client 300ft “Luxury Yacht” interacting with Italian world relnown interior designer Tommaso SpadoliniWorked with **Maritime Administration** (MARAD) for disposal e and scrap of USN redundant vessels
* Designed and built frisr missile boat for Pakistan Navy. Still operating
* Designed and built 1500 ton floating dock for client
* Designed t 4500 ton floating dock for client
* Designed 500 ton floating dock for Maldives
* Designed and built steel patrol boat
* Designed and built steel unsinkable ferry boats for Tarbela Dam

# Designed and supervised part construction 1500 ton steel cargo ship

# Designed and built 100 persons steel ferry boats

# Designed and built self propelled fuel and water barges up to 600 tons

# Designed and built lattice masts.

# Designed Marine Railways for Pakistan customs

# Consultant for complete survey, overhaul of two existing marine railways

# Built mini submarines

# Built 265 tons steel craft still operational

# Repairs of steel ships and craft

# Advisor to UAE Navy

# **COMPOSITES/GRP(LEADERS IN FRP DESIGN)**

* Design and manufacture of first ever unsinkable self propelled GRP barge in the world . It was considered for award of design excellence by CFA USA.
* Introduction of 40 feet and smaller GRP boats in Pakistan.
* Repair of pilot boats – PQA.
* Manufacture of boats from 10ft to 50ft
* Design and manufacture of Underground fuel storage tanks.
* Design and manufacture of survey boats.
* Design and manufacture of first 45,000 liters underground fuel storage tanks to international standards (one tank is in use with Pakistan Navy).
* Spiral wound Storage tanks
* Design and manufacture of scrubbers for Clarient and Steel Mill
* Karachi water supply project KIII design and manufacture of flow controls in GRP
* Design of domes for tanneries treatment plant
* GRP bridge for Siachin
* Removal of Port A Bracket and fitting of new bracket onboard . repair of stern tube100 ton Barbarossa (Pakistan Custom launch).
* P&S shafts alignment of Barbarossa
* Repairs of Port Qasim GRP survey boat Jatli
* Manufacture of GRP pipes
* Manufacture of hand lay up GRP tanks.
* Manufacture of first spiral wound tanks and pipes in Pakistan
* Design and manufacture of structures for waste water treatment.
* Design and manufacture of survey boats.
* Design of nacelles for supersonic aircraft.
* Design and Manufacture of scrubber for highly toxic gasses for Clarient
* Scrubbers for Pakistan Steel.
* Special boats for Pakistan Navy, KPT, Wild Life, Forest Dept. Police FOTCOetc.
* Survey and detailed study for establishment of private harbor in Karachi

**FISHERIES**

* First ever GRP trawler designed and built in Pakistan.
* Design and introduction of insulated fish holds wood and GRP trawlers to international standards. This is now a standard practice.
* Design and construction of Prawn Breeding Station
* Design and construction of fish breeding cages for WWF
* Setting up Aquaponics facility for client.
* First installation of “Raw Salt Water” refrigeration system on fishing trawlers
* Modification of fish processing plants to international hygiene standards
* Composite design and build of small fishing boats called Howrah.
* Design of small unsinkable GRP boats for Balochistan Fisheries
* Design and manufacture of fishing trawler for Madagascar.
* Introduction of GRP lining of outer hull for wooden fishing trawlers. This is now a standard practice.
* Conversion of fishing boats to party boats
* Workshop for development of Composite craft and products
* Design and conversion of largest 70 ft boat to 200 persons pleasure craft

**MECHANICAL ENGINEERING**

* Representatives of Terydon USA firm Cleaning of Heat Exchanger tubes and specialized equipment.

**NANO TECHNOLOGY**

* Developed hydrophobic and hydrophyllic coatings for windows, automobiles, solar panels and concrete walls
* Anti-graffiti.
* Anti-microbial coatings

**MAILING ADDRESS: ADAMS, 3rd FLOOR, SABA COMMERCIAL STREET # 2, PHASE-V EXT, D.H.A, KARACHI.**

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