

General Outline

October 2014

The **AluminumNow Group** consisting of AluminumNow Ltd.(UK), AluminumNow Maritime Solutions Ltd., AluminumNow Turkey, AluminumNow Egypt, ShipMultiVision Nig. Ltd. (Nigeria Shipbuilding & Maritime Solutions) and associated Naval Architects for designs of Patrol, Pilot, Crew Boats, Offshore Vessels, Barges, commercial ships and tankers etc. in corporation with Shipyards in Turkey, the UK, and India to develop a modern full service shipyard in Nigeria to offer builds up to 60,000DWT.




At this time promoting repair and maintenance services, and new builds including current discussions of:-

-  Patrol Boats
-  FVIS
-  Pilot Boats
-  PSV
-  AHT/AHTS
-  Tugs
-  Green Tugs
-  Barges
-  Self-propelled barges
-  Ferries
-  Hovercraft
-  Hoverflight
-  Custom Designs

Equipment supply and conversions:-

-  Diesel/Electric & LNG Electric Drive Systems
-  Seafury Service Drives
-  Hamilton Waterjets
-  Doosan engine, Gears & Generators
-  Power unit solutions
-  Generators

Other services include:-

-  Ballistic Protection water and land based solutions.
-  Maritime Related Products
-  Power Generation Systems

- 1)** The intent is to provide a shipyard with the eventual capability of producing vessels as the market demands, up to 60,000 DWT and this is to be achieved through incremental phases involving site development, investment, need and Nigerian personnel training in ship construction, planning and management.
- 2)** To achieve this tonnage will require a minimum land mass in of the region of 100,000m(10 hectares) as well as good “deep” water access and an eventual work force of +/- 2,000 workers.
The most important and critical part of this development will be the training to ensure all personnel are familiar with the latest technical advancement in shipbuilding and safety procedures.

To achieve this training in an efficient way it is the intention to utilize our UK Shipyard to provide on training in the UK and onsite training in Nigeria. This a cross exchange of technologies is an ideal way to resolve the Nigerian shipyard training efficiently.

- 3) The efficiency of vessel construction is based on several factors, speed of construction, land size to carry on several aspects of the same and multiple projects simultaneously, the machinery necessary for production in the form of cranes, sheet bending, welding and forming equipment as well as a launching / hauling capability and above all an experienced, trained and capable workforce in the way of actual constructors, planning engineers, engineers, project managers, naval architects and management – the AluminumNow solution is to combine a Nigerian workforce with experience supervision and control plus training to speed construction and educate the Nigerian work force at the same time, the phases would be:-

3a) All designs to be to class, MCA and/or ISO as appropriate. Full ship in a box format to be utilized supplied from international sources for vessels up to 50M and from Turkey for Vessels over 50m, with full assembly in Nigeria.

Advantages:-

- Speed of construction so the client receives the vessel in a timely manner built by a recognized and experienced builder
- Trouble shooting and resolution, this is much easier and faster by an experienced builder with good faculties and supply. Unfortunately vessels are seldom built totally to the drawings as things that may have appeared possible in 2D (two dimensions on a drawing board / CAD) are not always possible at full scale. Some areas of construction may not meet class rules and will require changes. Some machinery / equipment may not be available on the world market to satisfy the proposed delivery date and structural changes may be required to suit the equipment available and these all requires experience to resolve quickly and not slow or stop production. While Full Kits are being prepared Nigerians will be on site in the country concerned for training in methods and execution and Class approval in welding, construction protocols, etc. while the construction is in progress.

3b) Once the initial vessels are designed all changes in production and specification will be incorporated into the production drawings, build schedule, machinery and equipment list will be revised and a “kit” for each vessel will be produced including all required CNC (Computer Numeric Control) cut steel and aluminium parts and sections, interiors, electrics, electronics, piping, power systems etc. to build each vessel at the Nigerian shipyard. AluminumNow will supply construction leaders, department heads, planning engineers to work alongside their Nigerian counterparts so as to advise and train them in modern shipbuilding practices and assist in Nigerian development and production techniques

3c) As the Nigerian workforce becomes more trained, experienced and capable in the many facets of ship and vessel construction elements of the foreign labour would be withdrawn as possible and over time this would lead to a total Nigerian operation as the nations abilities developed. At the same time we can provide specialists in many fields who could be on call to resolve unusual or specialized problems in new construction and repair.

3d) Welding procedure and welder approval documentation will be developed and witnessed by ourselves, to comply with Department of Trade and Industry (DTI) and Pressure Equipment Directive (PED) requirements, or in liaison with any classification society, e.g. Lloyds, Det Norske Veritas.

Independent testing of welds and welders to meet the following standards:

- BS 4872** Minimum Requirement for Welder Competence
- BS EN ISO 15614** Welding Procedure Testing
- BS EN 287** Welder Qualification Testing
- BS EN ISO 9606** Welder Qualification Testing
- ASME IX** Welding Performance and Procedure Testing
- CAA** Welder approval for the Civil Aviation Authority



- 4) By implementing the processes of our Nigeria Shipyard prospectus it will be possible to start Nigeria's ship building program with a capable world class modern shipyard capable of producing patrol boats, pilot boats, tug boats, tankers, LNG carriers, barges, ferry's, etc. in various materials such as steel, aluminium and composites as well as utilizing various propulsion and drive systems
- 5) Nigerian involvement is **key**; the plan is to develop a yard that serves the Nigerian need for vessels of all types and has a Nigerian identity through investment by private and governmental systems, labor and management. Even though in the beginning there will be foreign presence for the purpose of training and technology transfer, as the Nigerian workforce gains experience and training Nigerians will assume all responsibilities.
- 6) AluminumNow will provide designs, Naval Architects and project management, equipment supply, monitor development, , quality control, Nigerian, training and technology transfer programs.
- 7) At this time:-
 - a) A new Nigerian company has been formed with majority Nigerian Ownership.
 - b) Nigerian technicians are being interviewed to source those suitable for training and qualification to international standards in the following areas:-
 - ✚ Steel Welders
 - ✚ Aluminum Welders
 - ✚ Composite design and lamination
 - ✚ Pipefitters
 - ✚ Electricians
 - ✚ Electronics
 - ✚ Engineering
 - ✚ Component fabrication
 - ✚ Carpenters
 - ✚ Furnishings
 - ✚ Naval Architecture
- 8) Summary
 - ✚ To offer full design, build management, material procurement and training programs.
 - ✚ To establish a Nigerian Build Patrol, crew, pilot, fire, SAR vessels etc. thru the services of associated Naval Architects
 - ✚ To establish a shipyard to build tugs, offshore vessels, workboats and ferries in steel, aluminum and composite for the Nigerian & International clients.
 - ✚ To promote Greenline designs utilizing electric drive systems and alternate fuel systems.
 - ✚ To utilize experienced local shipbuilders, shipwrights, engineers, management and certified personal from Nigeria and to promote training of personnel from the local community.
 - ✚ To utilize existing maritime companies in shipbuilding projects.
 - ✚ To create a training facility to train on site and to provide training in all trades and ship operations in Nigeria and the UK.
 - ✚ To establish a design office with the shipyard complex.
 - ✚ To create a Nigerian Shipyard for Nigerians.

For further details and details of the development plans, consultation on designs and new build options and last but not least maintenance and repair please feel free to contact the undersigned at:-
newbuilds@nigeriashipbuilding.com and/or enquiries@aluminumnow.com

This General Outline has been provided by Richard Naylor,
 For and on the behalf of Nigeria Shipbuilding & Maritime Solutions., AluminumNow Group and Nigerian Associates.

ABOUT US

The AluminumNow Group provides a fully comprehensive service tailor made to the needs of the maritime industry. We have extensive experience in the marine field and if necessary team up with a group of other specialist to provide maritime solutions no matter how large or small, whether a Private Individual or Company, anywhere in the world we are here to personally help you for fill your aims in the most cost effective way.

The AluminumNow Group provides solutions in the following areas:-

- ✦ Shipbuilding,
- ✦ Ship repair & Maintenance,
- ✦ Naval Architecture & Design,
- ✦ Security Service
- ✦ Patrol Vessels, Pilot, Crew and Offshore Vessels
- ✦ Ballistic Protection Ashore and Afloat,
- ✦ Salvage,
- ✦ Wreck removal,
- ✦ Recycling of steel, metals, and other materials.
- ✦ Project & Design Services,
- ✦ Marine Surveys and Consultancy
- ✦ Engineering & Contract Management
- ✦ Pollution Control and Recovery
- ✦ Ferry Design, Production & Operations,
- ✦ Hovercraft & Hoverflight operation and construction,
- ✦ Tug & Barge Operations,
- ✦ Contractor Services
- ✦ Management Services
- ✦ Procurement Services,
- ✦ Machinery & Equipment Agencies, Supply & Service,
- ✦ Dredging,
- ✦ Navigation Aids including Buoyage,
- ✦ Electric Generation Plants, Solar & Wind Generating Systems,
- ✦ Harbour & Shipyard construction,
- ✦ Steel Production ,
- ✦ Technical Facilities Development & Completion
- ✦ Training Services/Facilitates for Shipyard staff, Diving, Salvage, Design, Shipwrights, Engineers, Electricians, Electronics Installation and Repair, Draftsmen and Health & Safety etc.
- ✦ Funding thru the services of (but not limited to) G.A. Dada, BSC, MBA President & CEO, Kofa International Co. , 762 Torrington Drive. Naperville, IL 60565, USA

AluminumNow Ltd. & AluminumNow Maritime Solutions are registered in the UK.

ShipMultiVision Ltd. (a new Nigeria company) **& AluminumNow Nigeria Ltd** are registered Nigerian companies.



Richard O.J. Naylor

Director & Chief Executive Officer
Director of Sales & Development
Director – Technical & Sales
Director – Technical & Sales
Maritime Consultant to:-

AluminumNow Ltd. (UK)
ShipMultiVision Ltd. (a new Nigeria company)
AluminumNow Ltd. (T & C)
AluminumNow Nigeria Ltd.(RC:971203)
G.A. Dada, BSC, MBA, Kofa International Co.

Education:

Educated in both England and Canada with training through technical/vocational college and apprenticeship
Marine Surveyor - Mechanical Engineer
Project, Ship Building & Ship Management
Canadian Standards, Certificate #15,594
Engineering, Certificate #3667-AM-71

Professional Experience:

- ✚ Major refits, rebuilds, Company & Business Management, Marine Surveys: Pleasure and Commercial vessels, Design and Build Consultancy.
- ✚ RYA Yachtmaster Offshore - Certificate #4554 -RYA Yachtmaster Ocean - Certificate #0578
- ✚ Yacht Brokers, Designers & Surveyors Association. (Y.B.D.S.A.)
- ✚ Nominated MCA Surveyor Level 2 - American Boat & Yacht Council. (A.B.Y.C.)
- ✚ Director and Sole Shareholder of Janton Investments Ltd. Canada
- ✚ Director of the Chamber of Commerce.
- ✚ M.C. - Annual Easter Parade for four years.
- ✚ Treasurer - Towing Branch of the Automotive Retailers Association.
- ✚ Treasurer - Westcoast Auto Racing Association.
- ✚ Co-founder and Director of Troon Marine Services, Troon Marina, Troon Scotland, U.K.
- ✚ Shareholder, Operations Manager of Freedom Flotilla and Cruising Ltd.
- ✚ Marine Surveyor & Consultant – Eastern Med.
- ✚ Ship & Yacht Management.
- ✚ Search, Survey and Purchase of Yachts & Ships on the behalf of Clients.
- ✚ Marine Insurance & Deliveries.
- ✚ Sales and Service of Watermakers, Solar Energy and high output Wind Generators.
- ✚ Sales of Commercial Ships, Fast Ferries, New Builds, Re-fits, & designs.
- ✚ Major Repair Work/Rebuilds carried out in the United States, UK, Italy, Greece and Canada.
- ✚ Salvage work carried out in the Bahamas for a Florida Company.
- ✚ Promoted and exhibited Solar energy (Solarex) throughout the USA for use in the marine environment.

William Brownrigg

Director & Chief Executive Officer
Finance & Fund Management

AluminumNow Ltd.. (T&C)
AluminumNow Ltd..

CEO Tarpan Ventures Ltd.
International Business Consulting
Mergers & Acquisitions.
Finance & Corporate Restructuring.

William Brownrigg is an Irish/Canadian who has lived in Europe for a number of years and now resides in Canada. He is Founder and Chief Executive Officer of Tarpan, Inc.
Mr. Brownrigg, who studied Business Administration at Loyola College, Montreal, has started and operated a number of successful construction and business development companies.



Well-traveled and with an international outlook, Mr. Brownrigg has worked for the last ten years as an international business consultant, developing corporate structures and advising companies seeking to fund large projects. Having developed an interest in “green” energy solutions, including solar, biodiesel projects and hybrid drive systems, he returned to Canada in April 2007 to pursue these interests.

Mr. Brownrigg is the CEO of Suntricity a Nevada Solar Company utilizing cutting edge technologies, developed by world leading scientists (PhDs) in the fields of Nano Tech, Quantum Dots, Innovative Inks and Advanced Materials from Europe, US and Canada. The Business Team consists of leaders in Enterprise Solutions, Strategic Execution Planning, Process and Systems Integration and Market Positioning.

ALEX OBIORA CHUKWURAH

Geotechnical and Offshore Consultant to the.

HSE Management, Coordinator & Training for **AluminumNow Group & ShipMultiVision Ltd.** (a new Nigeria company),.

PROFILE

An Onshore/Offshore jack up Rig HSE Coordinator, who worked in a UNICEF funded project and as a team member of a high profile research/ consultancy group; (The Fault Dynamics Research Group UK). Presently working as, October 2013, an Onshore/Offshore Jack up Rig HSE Coordinator with TOTAL E&P, Nigeria.

EDUCATION:

INSTITUTIONS ATTENDED DATE

Royal Holloway University of London, UK.

MSc. Petroleum Geosciences (Basin Evolution & Dynamics)

Core Modules studied include:

Geophysical Analysis (seismic processing and interpretation), Structural Analysis, Integrated Subsurface analysis, Tectonics and lithosphere dynamics, Sedimentology and Stratigraphy, Reservoir Geosciences, Wire line logging.

Thesis title: Patterns and Controls on sedimentary fill of rift basins in Southern Thailand.

Purpose: To critically examine the patterns and controls on the sedimentation in the rift basins of Thailand with a view to establishing the reasons for facies heterogeneity and reducing the ambiguity that exists in the correlation of stratigraphy between them.

Project involved the interpretation of 3D seismic data and wire-line log data using Petrel interpretation software.

North Somerset/ Bristol Channel Basin field trip (Kilve and Watchet)

Purpose: The main aim of this trip was to provide new insights and training in the analysis of normal and strike-slip faults. The excellent exposure and high-resolution stratigraphy in Lower Liassic rocks at Kilve, north Somerset, allowed very detailed studies of fault displacement to be made. The wave-cut platforms and cliff sections also provide good analogues to time slices and dip lines in 3-D seismic.

Field course- Structural Geology and stratigraphy of the Spanish Pyrenees.

Purpose: To study the world class models for thrust tectonics and syn-orogenic sedimentation by examining outcrops of thrusts, fault- related folds, stratal architectures and facies of depositional systems affected by growing structures, which are good analogues for tectonic sedimentary- related hydrocarbon plays.

Wessex Basin Field trip

Purpose: To consolidate the classroom -taught concepts of development geology, with an emphasis on the role of outcrop analogues in understanding subsurface reservoirs. Documentation of outcrops units that are direct analogues to the reservoir in the Wtych farm oil field.

Nnamdi Azikiwe University, Awka, Anambra State. (2004)

BSc. Geological sciences and Mining.

Core modules studied includes:

Petroleum Geology, Applied Metamorphic Petrology, Igneous petrology, Hydrogeology, Geology of Nigeria, Structural Geology.



WORK EXPERIENCE: Oct. 200• Numerical modeling of sedimentation and tectonics;
•Applied structural geology;
•Geological Fieldwork.

HSE Engineer (TOTAL E&P NIGERIA) May.2004- July 2007.

Main duties:

- ✚ Taking part in safety engineering and design of new projects
- ✚ Taking part in HSE studies and risk assessments undertaken for the design of installations, the execution of operations and for abandonment
- ✚ Participating in actions for identifying and minimizing risks, and the impact of activities, especially for simultaneous operations or in downgraded situations
- ✚ Acting as focal point for reporting of incidents, accidents, anomalies.
- ✚ Taking part in incident, accident and anomaly investigations and analyses.
- ✚ Checking the follow-up and execution of actions determined after incident, accident, audit and inspection analyses.
- ✚ Ensuring coordination, reporting and transmission of feedback to HQ
- ✚ Ensuring HSE coordination with the operative disciplines and their representatives in the Affiliates and in HQ
- ✚ See to it that HSE policy and reference documents are understood and applied (directives, rules, specifications, and procedures)
- ✚ Taking part in checks on enforcement, efficiency and maintenance of the HSE-MS
- ✚ Contributing to HSE performance improvement and associated monitoring
- ✚ Examining requests submitted for concession/exemption from application of reference procedures
- ✚ Contributing to drafting of reference documents (directives, rules, specifications, procedures)
- ✚ Keeping track of changes in HSE regulations and plans for new regulations
- ✚ Taking part in HSE Committee meetings.

PRESENT.

RIG HSE Coordinator (TOTAL E&P NIGERIA)

Duties include: Key Accountabilities:

Implementation of policies & standards:

- ✚ Ensure compliance where appropriate with the Company's Procedure and Policies in accordance with the requirements of ISO Quality Code requirements.
- ✚ Ensure client requirements are effectively implemented in all areas.
- ✚ Engage in the management & revision of Company documentation & procedures.
- ✚ Draft & document procedures in support of, Group requirements.
- ✚ Assist in drafting & implementing clients' bridging documents.
- ✚ Monitor & implement relevant local legislative requirements, in conjunction with the above.
- ✚ Participating and/or leading an audit team while evaluating vendors and contractors for provision of services to the company.

Promotion of an effective safety culture within all employees, through:

- ✚ Communication and promotion of pro-active reporting schemes (SET Cards etc.)
- ✚ Active engagement of all other departments in HSE-related issues.
- ✚ Publication & discussion of QHSE data & statistics.
- ✚ Chairing onshore/offshore-based Safety Committee meetings.
- ✚ Ensuring shore management complete & record Vessel Visits, including completion of HSE training and engagement sessions when on-board.

Promotion & enforcement of Company "Control Of Work" (COW) systems:

- ✚ Maintain an oversight of Risk Assessments and their periodic review in conjunction with relevant HOD'S
- ✚ Promotion of and involvement in, Toolbox Talks prior to every operation.

- ✚ Assessing use & application of Permits to Work on-board or in relevant shore sites
- ✚ Conduct investigations & audits, and ensure effective follow-up.
- ✚ Lead investigation teams comprised of various staff from all relevant departments, in order to conduct incident investigations in accordance with internal & client

INTERN GEOLOGIST: (The UNICEF) Feb. 2002- Mar. 2003

- ✚ Geotechnical investigation of soil (Soil sampling and laboratory tests of the soil samples retrieved).
- ✚ Locating and identifying water resources.
- ✚ Assisting in the designing and inspection of wells and pumps.
- ✚ Monitoring groundwater movement, levels, discharge, temperature and chemical composition.
- ✚ Determining the Structural and Physical parameters underlying a site.
- ✚ •Managing well construction projects; overseeing the work of drilling; producing lithologic logs of boreholes; reviewing contractor's proposals and reports for conformity with guidelines, industry standards and specifications.
- ✚ Administering the day-to-day aspects of groundwater basin monitoring programs; evaluating the monitoring wells in each program; analyzing field data; overseeing data entry and the preparation of contour diagrams; producing technical reports and analyses of findings and recommendations.
- ✚ Interpreting hydrogeologic data compiled from chemical and physical tests made on soil or groundwater samples in the field or laboratory.
- ✚ Providing instructions to support staff that produce drawings, maps and charts; checking finished drawings for accuracy and conformance with design requirements.
- ✚ Coordinating the preparation of quarterly summary reports and an annual comprehensive report on groundwater basin monitoring activities conducted by the Agency.
- ✚ Providing technical assistance and consultation to the Agency and the public, relative to hydrogeologic aspects of groundwater management, monitoring, and protection activities.
- ✚ Performing other related work as required.

KEY SKILLS

- ✚ Knowledge of a range of sciences and their applications.
- ✚ Ability to work within a multidisciplinary team of scientists and engineers
- ✚ Good organizational skills.
- ✚ Computer literate and ability to analyze numerical and graphical data.
- ✚ Good written and verbal communication skills.

SOFTWARE SKILLS:

Windows, MS Office, Excel, Power Point, Petrel, Land mark etc.

CERTIFICATIONS

ADVANCED HSE (LEVEL 3) TRAINING

INDUSTRIAL TRAINING CENTRE (A member of Institution of Occupational Safety and Health, UK)

- ✚ Introduction to Health, Safety and Environment.
- ✚ Principles of Unsafe act auditing.
- ✚ Personal Protective Equipment.
- ✚ Accident reporting and investigation.
- ✚ HSE management system.
- ✚ Hazard and effect management process.
- ✚ Job hazard analysis.
- ✚ Occupational health and hygiene.
- ✚ Journey management (Transportation safety).
- ✚ Fire safety
- ✚ First aid and CPR.
- ✚ Environmental protection/waste management.

- ✦ Laws relating to safety.
- ✦ Duties and responsibilities of a safety officer.
- ✦ Confined space safety.
- ✦ Permit to work systems.
- ✦ Contingency management.

RADIATION SAFETY OFFICER TRAINING

- ✦ Radiation protection principles
- ✦ Characteristics of ionizing radiation
- ✦ Units of radiation dose and quantities
- ✦ Biological hazards of exposure to radiation (appropriate to types and forms of byproduct material to be used)
- ✦ NNRA regulatory requirements and standards
- ✦ Hands-on use of radioactive materials
- ✦ Radioactivity and radioactive decay
- ✦ Interactions of radiation with matter
- ✦ Radiation detection using radiation detection instruments and personnel dosimeters
- ✦ Basic radiation protection principles and good safety practices (including time, distance, and shielding)
- ✦ Radiation protection regulations.

SCAFFOLDING INSPECTION TRAINING

- ✦ Course content
- ✦ Basic scaffolding functions
- ✦ Scaffolding definitions
- ✦ Construction of scaffolds
- ✦ Ties and anchors
- ✦ Tube and fitting scaffolding components
- ✦ Practical inspection of scaffold
- ✦ Identification of scaffolding faults and hazards
- ✦ Safety requirements
- ✦ Identifying potential safety hazards or unsafe scaffolding components
- ✦ Applying International Best Practice Guidelines to all scaffold erection and dismantling
- ✦ Complete Scaffold inspections
- ✦ Recommending ways to address any issues that relate to unsafe scaffolds or components decisions.
- ✦ Complete appropriate tagging and handover certificates.
- ✦ Maintain adequate inspections records.

OHSAS18001:2007-OCCUPATIONAL HEALTH AND SAFETY TRAINING

OHSAS 18001 is an international occupational health and safety management system. This standard enables companies to control health and safety risks, while at the same time promoting employee well-being and a safe work environment.

ISO14001:2004 INTEGRATED INTERNAL AUDITOR COURSE IN HOUSE TRAININGS (TOTAL E&P NIGERIA)

- ✦ Emergency Response/Spill Control (Oil spill contingency plan)
- ✦ Basic Fire Fighting Technique
- ✦ Basic Training in Confined Space Work Practice
- ✦ Training in Respiratory Protection
- ✦ Training in Safe Handling of Chemicals (SHOC)
- ✦ Training in Manual Handling
- ✦ Training in Work at Height
- ✦ Training in Slip, Trip and fall hazards.
- ✦ •Waste management plan.

IN HOUSE REFRESHER TRAINING

- ✚ Personal Protective Equipment (PPE)
- ✚ Hazard Communication (HAZCOM)
- ✚ Hazard Recognition, Job Risk Assessment & Task Planning
- ✚ Blood borne Pathogen.
- ✚ Respiratory Protection

Ubong Okokon Sam

Lagos Liaison Officer

Safety Officer

Nationality:

Nigerian

Profession:

Safety Officer

Education:

University of Calabar, Cross River State

Qualification:

B.Sc. Geography and Regional Planning

CAREER SUMMARY

- ✚ **Safety supervisor (MPH agency) Lafarge cement PLC, Nigeria** 2010-12
- ✚ **HSE Adviser (Contract staff),- (Afam Gas plant) Port Harcourt, Shell Nigeria**
- ✚ **Safety Officer,- ALCON Construction Nigeria Ltd., Port Harcourt** 2007-10

Work Experience

Safety Supervisor - (MPH agency) Lafarge cement PLC , Nigeria (Construction of 5000 tones cement factory.

- ✚ Ensure that HSE policies, procedures and practices are disseminated explained to Lafarge and contractor employees in field locations.
- ✚ Supervise the implementation of HSE accident prevention and awareness programme.
- ✚ Participate in planned general inspections and ensure that corrective actions are implemented on work site locations.
- ✚ Assist with the implementation of job safety analysis (Job Hazard Analysis) and inspect job site activities during particularly difficult of hazardous work situations.
- ✚ Field supervision and enforcement of construction safety standard.
- ✚ Conducting orientation and induction for new employees and Suppliers.

Preparation of JHA (Job Hazard Analysis)

- ✚ Conducting of daily toolbox meetings.
- ✚ Participate in regular emergency drills.
- ✚ Conducting in-house training for workers.
- ✚ Routine inspection of all tools and equipment on site.
- ✚ Monitoring of subcontractors for safety compliance.
- ✚ To manage and coordinate all facets of the HSE Management at Quarry
- ✚ Review and approve HSE Contractor policy, plans and management system
- ✚ Organize and manage Environment aspects with the aid of Environment supervisor and inspectors team.
- ✚ Organize and manage Safety inspectors' tasks on site.
- ✚ Ensure that Contractor's Tool Box talks are properly organized (Subjects / Frequency) and registered.
- ✚ Ensure that Contractor's lifting equipment is certified and managed through a colour coding system.
- ✚ Implement changes in regulations, standards, and Company rules.
- ✚ Assist Operations in preparation of commissioning and start-up procedures.
- ✚ Ensure total compliance to LOTO procedure on site

Safety Adviser – AMAZON ENERGY]

- ✚ Responsible for developing work procedures, JHA's & HSE procedures for pipeline installation and preparing materials for HAZOP studies in line with client specifications.
- ✚ Involve actively in conducting HAZID studies, FIREPRAN, hazard register and preparing HSE requirements as per designs and client specifications.
- ✚ In charge for the preparation and implementation of HSE Plan, ERP, EMP and other construction HSE working tools. Studying construction HSE case and other HSE documents
- ✚ Organizing and conducting training and re-training of staff and workers.
- ✚ Coordinating HSE activities in the base of three active sites and fabrication yard
- ✚ Generating reports and weekly presentations of HSE performance during weekly meetings.

Safety /Environmental Officer – ALCON Construction Nigeria Ltd., Port Harcourt

- ✚ Attending to all health, safety and environmental issues on site. Preparation of JHA (Job Hazard Analysis)

Environmental Inspector – JAROS Inspection Ltd, Nigeria**Projects Involvement:**

- ✚ Toxicological Testing /Biological Monitoring/ Polluted soil & water of Produced Water Effluent for Exxon-Mobil Producing Unlimited - Ekpeta.
- ✚ Gaseous emission monitoring of seven (12) SPDC flow stations at Olomoro, Eriemu, Olobiri Bonny heater choke, Soku, Alakiri, Gbaran etc.
- ✚ Sea bed survey of Ayala field, Texaco Petroleum Unlimited-Client
- ✚ Sewage Effluent and Deck Drainage monitoring of Parker Drilling Rigs # 72, 73, 74 & 75.
- ✚ Analysis of de-sanding waste, recommendation of appropriate treatment & disposal methods
- ✚ Carry out routine analysis on Natural Gas, Petroleum Products, Effluent and Drilling Fluids

Courses Attended

Nov. 2011	First aid and accident prevention by saint john ambulance
June, 2010	Basic rigging & slinging of piping
June, 2010	Basic CPR/adult first aid training
June, 2010	Basic fire-fighting training
Mar. 2010	Confined space training
Nov. 2009	work at height training
May, 2009	Tool box talk/communication
May, 2009	Job safety analysis/step back 5 by 5
May, 2009	Hazards identification
Aug., 2008	Workshop on leadership and team building
May, 2010	Industrial first aid organized by saint john ambulance
Feb, 2010	Workshop on advanced safety audit organized by SPDC
June, 2010	Incident/accident reporting & investigation training
May, 2010	Radiography safety training
May, 2010	Permit to work (PTW) & administration training
April, 2013	Industrial first aid course
Dec., 2009	Incident & injury free commitment workshop

WORKSHOPS ATTENDED

Dec, 2009	Incident & injury free commitment workshop
Sept., 2010	Supervisor skill workshop
March, 2010	Workshop on job hazards analysis by SPDC
Dec., 2009	Workshop on toolbox talk risks identification organized by AMEC at nigerdock
May, 2008	Workshop on, "hearts and minds" organized by SPDC at yokri on fiyp
March, 2009	Workshop on minimum health management standard organized by SPDC
Feb., 2007	Workshop on contract management guide organized by SPDC
Oct., 2007	ISO 14001 awareness training organized by SPDC at Jones creek & otumara
May 2013	HSE competence development course (level 3)

Proficient in Microsoft application

HOBBIES; swimming, playing football and reading

Tuncay Senyurt

Naval Architect and Marine Engineer

Consultant to AluminumNow Group in Turkey and Africa

AFS Marine/AluminumNow Turkey Group

EDUCATION

Technical University of Istanbul - Naval Architecture and Marine Engineering

WORK EXPERIENCE

- Tuzla Gemi Endustrisi (Shipyard)
- Gemesan Shipyard
- Viking Marine
- Golcuk Shipyard (Military service)
- Gemyat Shipyard
- Argos Engineering
- Gemesan Shipyard
- Atlas Gemi
- Muhendislik
- Y_M Yachting Ltd.
- RMK Marine
- Inebolu Shipyard
- AFS Marine

Richard Hanley

Security & Training Consultant - AluminumNow Group

Profile

Experienced and competent in the following roles: Risk Management and Security Officer, Finance Manager and Accountant. Human Resources Specialist, Office Manager and Qualified as a Project and Capacity Building Manager. Over 23 year's exemplary service within the British Ministry of Defence holding (SC) Security Clearance. Accomplished leader with the ability to efficiently manage and motivate personnel to effectively produce business results. I have extensive knowledge of working with civilian multinational organizations overseas. Professional, trustworthy and well organized with excellent management and supervisory skills. Both confident and adaptable to business change and accustomed to working in high-pressure environments. I am now seeking to utilize these attributes in a challenging new role.

Key Achievements

- Successful completion of 23 years with the British Ministry of Defence.
- Developed continually throughout career, being promoted through a range of roles over the last 27 years to Middle Management level with involvement in major projects and operational responsibilities in mission-critical environments.
- Developed and implemented various training programs – Training Officer teaching and coaching 50 ex-militants in Nigeria to become Security Guards/Officers in February-June 2012. Transition Project Manager instructing 35 Human Resources Administrators their roles and responsibilities for the transition of all computerized personal files and records to the new British Armed Forces mainframe system - Joint Personnel Administration (JPA) in April 2005.
- Fulfilled roles off-shore as a Marine Security Officer for multi-million dollar projects – Coordinated all security management for various roles including – Marine security escort of a survey ship for the successful exploration of the main West African pipeline. Successfully completed an OAGM Project for the Chevron Corporation to deploy and secure gas platforms to their Escravos site in Nigeria.



- During British Military Service - Instruction to both civilian and military staff, helping their on-going training, career development and advancement in varying roles to become independent managers in their own right.

Education & Training

- 23 years as a Human Resources Specialist with the British Ministry of Defence and 4 years working in various Managerial Level roles for civilian security companies in Afghanistan, Iraq and Nigeria.
- The Graduate ship Award in Leadership and Management (GCGI) (Honours Degree).
- Security and Risk Management.
- Institute of Administrative Management (IAM) - Advanced Diploma in Administrative Management.
- Accountant (British Ministry of Defence Qualification equivalent to ACCA)
- Fellowship of the International Association of Book-keepers and US GAAP compliant.
- Diploma in Small Business Financial Management and Diploma in Computerized Book-keeping (Paxton+ Software)
- British Ministry of Defence, Education for Promotion Certificate Level 2 an NVQ Level 5 Management and Leadership Qualification (Middle/Senior Management Level).
- PRINCE2™ Project Management.
- ECDL.
- BTEC City & Guilds - Diploma in Business Studies.
- Various BTEC / City & Guilds Diplomas and Certificates in Telecommunications Engineering.
- Full, clean UK driving licence.
- Classified and Security Documentation Handler.
- Postal and Courier Supervisor.
- Working knowledge of HACCP and ISO 9000 standards.
- Health and Safety and First Aid.
- Control of Substances Hazardous to Health Regulations (COSHH).
- Conversational level in German.

Core Skills

- Highly competent with the responsibility and intricacies of management and leadership.
- Assured in managing sensitive and complex matters whilst exercising diplomacy.
- Comfortable working in diverse and dangerous environments to deadlines whilst under pressure.
- Ability to conduct high quality security, exploiting extensive experience and knowledge.
- Accomplished marketing to clients, developing professional partnerships, collaborations & relationships.
- Confident working with other professional agencies and conducting lectures and briefings.
- Discretion and ethics beyond reproach.

Company Management

- General and daily management of a business including all of its company activities.
- Instigation and implementation of marketing strategy (promotional information, lectures, website).
- Responsible for compliance with company policies, law, health and safety and their rules and regulations.
- Positive motivation and leadership of staff including their welfare and support.

Security Management

- Project Management of offshore security vessels for the protection of Corporate Company Assets in the Oil and Gas industry.
- Highly competent managing perimeter & internal security staff, including screening & search procedures.
- Experience implementing security reviews, risk assessments, including identification, rectifying and mitigating security issues.
- Management of the tactical deployment of foreign and local employees during security incidents.



- Provide security and planning for travel advice to ex-patriot and other international staff in volatile environments.
- Management and implementation of the deployment of close protection resources.
- Completion of watch keeping duties including vehicle tracking, communications with deployed personnel and security intelligence briefings.

Work Experience

CAS-Africa

April 2011 – September 2012

Operational Support and Project/Training Manager for a Critical Asset and Personnel Protection Company in Nigeria

- Responsible for Project Management of offshore security vessels and completing Ship Security Officer roles
- Controlled all Journey Management tasks for employees, clients, temporary staff and visitors.
- Training of Nigerian ex-militants to become security guards/officers.
- Completed all financial management including the daily book-keeping, auditing for all business units accounts and maintained all cash and bank accounts. Completion of balance sheets, cash flow and monetary requirements for operational projects. Submission of income and expenditure reports including monthly and final end of year audits.
- Management of personnel, budgets, resources, documentation and the maintenance of all assets to ensure contract compliance, value for money and success of multi-million dollar operational projects.
- Responsible for the internal control, management of cash and prioritizing work to meet deadlines.
- Oversee the day-to-day running of the company's HR Department. Ensure best-practice methods, current business plans complied with regulations and completion of periodic management checks to ensure the accuracy of all business records.
- Liaising with external contractors and auditors to ensure account monitoring is carried out.
- Part of the senior management team acting as the first point of contact for any project incident, query or requirements.

Blue Hackle Group Limited

-June 2009 – December 2010

Office Manager and Project Administration Manager for a Private Security Company in Afghanistan

- Managing personnel, budgets, resources and the maintenance and control over all assets held to ensure efficiency, value for money, contract compliance and success of multi-million dollar projects.
- Responsible for all financial aspects including the completion of all the daily book-keeping and auditing of each business units fund accounts including the cash and bank accounts. Covering P&L where necessary and all cash flow requirements including floats. Maintaining any operational welfare aid support and producing monthly and final end of year audits.
- Responsible for the internal control, management of cash, income and expenditure, and priority
- zing work to meet deadlines.
- Project Administration / Facilities Manager – Planning and coordinating all project activities including - Input of SPOT Data, Letters of Engagement / Authority, Obtaining Licenses for Communications Equipment, Weapons, Personnel, Vehicles and Operational Licenses, Personal documentation, Visa's and Work Permits. Booking all accommodation and travel requirements for leave. Absence management.
- Project Administration of multi-million dollar US Military contracts including cost analysis, statement of works, budgeting, contract renewals/updates. Completion of all Project Timesheets for client billing, payrolls for all employees at each location business

unit. Payment of Invoices and receiving payment for company invoices, within agreed timelines (Accounts Payable/Receivable). Finalizing individual employee contracts in line with client/company policy and directives.

- Recruitment – Assessing, hiring and completion of relevant documentation for newly recruited security personnel.
- Developing effective business plans to meet changing operational commitments within organizations. Analyzing competitors and market trends. Developing financial management mechanisms that minimize financial risk. Conducting reviews and evaluations for cost-reduction opportunities.
- Producing accurate financial reports to specific deadlines ensuring key performance measures are met to manage project budgets through KPIs. Researching and reporting on factors influencing business performance.
- Completion of financial documentation for contracts awarded to external contractors.

Central Asia Development Group (CADG) Inc. - January – June 2009
Finance Manager and Capacity Building Manager for a Private Construction Company in Afghanistan

- Developing external relationships with appropriate contacts e.g. Contractors, Suppliers, Solicitors, Bankers and statutory organizations.
- Controlled and safeguarded cash, cheque books, deposit books, account books and all supporting vouchers.
- Paid authorized bills and took the appropriate accounting action. Maintenance of an authorized accounting system.
- Responsible for completion and authorization of staff time and attendance sheets.
- Upkeep and maintenance of all cash and bank accounts,
- Utilizing communication, interpersonal and motivational skills to maximize business output.
- Capacity Building Manager for on-going funded USAID, and CIDA projects in Southern Afghanistan, including interviewing, recruiting, and development in order to ensure contract compliance.
- Liaising with external auditors to ensure account monitoring is carried out.
- Managing business change, being resourceful and adaptable

British Ministry of Defence September 1985 – November 2008
Human Resources Specialist / Administration Manager / Accountant / Departmental Line Manager

- Maintained the day-to-day running of the HR / Finance Department. Implemented, organized and maintained training programs for personnel, including their development and career progression.
- Deputized for senior management in their absence and acted as first point of contact for any incident or query.
- Completed periodic management checks to ensure the accuracy of all personal records.
- Completion, final checking and dispatch of the department's appraisals. Completed mid-term reports and staff appraisals and carried out development training for junior subordinates.
- Responsible for all aspects of the daily book-keeping of Service (Non-Public) Fund Accounts, producing final end of month and end of year accounts for audit. Maintain the combined cash and bank account (Central Bank).
- Paid authorized bills and took the appropriate accounting action. Maintenance of an authorized accounting system.
- Responsible for completion and authorization of staff time and attendance sheets.
- Line Manager responsible for ensuring that all entitlements, relevant paperwork, documentation and records for any individual departing the Armed Forces before their subsequent discharge had been confirmed prior to them leaving.

- Oversee disciplinary matters including proceedings under civil and military law. Maintain and safe-keeping of all documentation. Completion of procedures of misconduct allegations, hearings, appeals, grievances and legal aid matters.

Training, Supervision of Welding to Classification & Inspection

In conjunction with WELDECC a Subsidiary of **Gekash** Company for Consultation, Training, Supervision and Inspection. www.weldecc.com

Principals :- **Dr. Hassan I. Shaaban:** Metallurgist and an AWS Certified Welding Engineer
Mr. Ahmed H. Shaaban: B.S. Commerce, Candidate of M.B.A. in Quality

The objective is to set up a training centre to educate and train the shipyard personnel in the various fields of Welding Technology and related subjects .

Scope of work:

The scope of work will include the following items:

1. Preparation the mission and the vision of the Training Centre
2. Performing training needs assessment (TNA) using a gap analysis to assess the knowledge and skills required to prepare employees to meet the organization's objectives.
3. Preparing the syllabus of the proposed training courses required.
4. Setting up a QA program including the procedures required to establishing, conducting and evaluating the training programs.
5. Preparation of the training materials, document and handouts.
6. Installing the facilities, equipment and samples required for practical training.
7. Constituting a marketing scheme for the training programs offered within the centre including a website, pamphlets, etc.
8. Teaching welding, metallurgical and NDT courses.
9. Outsourcing instructors for any other required training courses other than those mentioned above.
- 10) To provide licensed welding foreman to supervise and inspection to classification standards in the Nigerian Shipyard.

Principals

Ahmed Hassan Shaaban

Summary

Twelve years of experience in operation, Quality Assurance and control for training, TQM consultation, engineering services, and contracting in the fields of welding, NDT, and repairs.

PRESENT POSITION

Quality Assurance Manager, and technical coordinator, **GEKASH** Company, January 2002 till now.

EDUCATION

1. 1997-2001 Faculty of Commerce, Alexandria University (English Department B.Sc. in accounting, Final grade "Good", June 2001.
2. 1994-1997 Elnasr Boys School (EBS), Thanawiya Amma (General Certificate of Education), final grade 91.5%.
3. 1991-1994 Elnasr Boys School (EBS) 3 years Intermediate school at EBS.
4. 1986-1991 El Manar School, 4 years of Primary school at El Manar School, Alexandria, Egypt.
5. 1985-1986 White Oak School, 1 academic year (primary) White Oak School, Maryland, USA.

Training Courses and Certifications:

1. 2012, Completed 1st semester (out of 4 semesters) in Masters of Quality at the Arab Academy which includes the Following international certifications.
 - a- Six Sigma Green belt



- b-Lean manufacturing Bronze Medal.
 - c-Certified Lead Auditor ISO 9001
 - d-Certified Lead Auditor 27001
 - e-Certified Lead Auditor 14001
 - f- OSHA
2. 2010, Certified lead Auditor ISO 9001 by IRCA.
 3. 2009, Contracting and contract execution.
 4. 2009, Negotiation skills
 5. 2008, level II UT inspection certificate.
 6. 2007, level II RT inspection certificate.
 7. 2006, Cost and time management in projects
 8. Certification from the Academic Credentials Evaluation institute in USA for the Bachelor degree.
 9. 2001-2002, CACE, American University in Cairo, One year course "Preparation for CPA Exam", Courses studied:
 - Financial Accounting and Reporting
 - Accounting and Reporting.
 - American Business Law
 - Auditing.

Experience:

- I. 11 years working for GEKASH, Egypt Affiliated with JOM, Denmark, starting as Quality officer, and now as Quality assurance manager, in the field of Welding training and consultation, inspection and repair Services, as well as TQM consultation.

The work scope includes:

- Setting organization's quality objectives and goals.
- Setting performance and results indicators.
- Gathering and analyzing data for clients and internally.
- Report writing for clients and internally.
- Conducting corporate meeting.
- Negotiating contracts.
- Preparing tenders.
- Conducting quality Audits for clients and internally
- Preparing SOPs and TNA (Training needs assessment) for clients and internally.

Some of the major projects

1. 2006-2007, the annual training program for GOIEC, ministry of Trade and Industry (TNA preparation, and coordinating all training programs)
 2. 2007, the inspection and repairs project for Boilers in AUDA Company, Alexandria Fertilizers Project
 3. 2006, the pipe line inspection project for Petroment Company.
 4. 2005, managing the repairs project in AMOK Company.
 5. 2008, Project manager for the Grand Canyon Project, under Swedish supervision by Bromma company.
 6. 2005-2006 TNA for Boghdady Chemical co. and coordinating the annual training plan.
- II. Twelve years participating implementation of ISO(9000, 14000, 18000, and 17025) consultation, training, and quality Audits for several companies including:
 - 1998, Agrochem (Agricultural chemicals) .
 - 1999, Alexandria Portland cement company
 - 2000, Misr Shipping company (Ship owners and operators) (ISO &IMS systems).
 - 2001, Misr Trading Company
 - 2002, Horse Contractors (pipe line contracting)

- 2004, Abukir Hospital.
- 2005, LORD Company
- 2008-2009, Three labs owned by GOIEC (general Organization for Import and Export Control)
- 2009:2010, Gekash for Consultation and Inspection.
- 2012, ARCO wood
- 2013, CSI for inspection services

III. Eight months working as a sales representative for Allianz Life Insurance Company.

IV. Two years training in public accounting Field as an Auditor at Consulting Office for Accounting, Alexandria, Egypt (1999, 2000)

V. Six months working in Financial Auditing Field at Consulting Office for Accounting.

COMPUTER SKILLS

Main skills: windows and office.

Specified skills: Minitab and Quality Companion.

LANGUAGES

- | | |
|-------------------|-------------------------------|
| 1. Arabic | : Mother tongue |
| 2. English | : fluent (written and spoken) |
| 3. French | : fair |

PERSONAL DATA

- | | |
|----------------------------|--------------------|
| 1. Date of Birth : | November 12, 1979. |
| 2. Place of Birth : | Alexandria, Egypt. |
| 3. Nationality: | Egyptian. |
| 4. Marital Status: | Married. |
| 5. Gender: | Male. |

Hassan I. Shaaban

PRESENT POSITIONS:

1. **Professor Emeritus** of Metallurgy, Atomic Energy Authority, Egypt.
2. **Technical Director**, Welding Education and Consultation Center, GEKASH Co, Alexandria, Egypt

MANAGERIAL POSITIONS HELD:

1. February 2004 – March 2005: V.P. Academic Affairs, Gulf University, Bahrain.
2. January 2003 – till now: V.P. WELDECC, Alexandria Egypt
3. 1992 – February 2004: Head of Alexandria Branch, Atomic Energy Authority, Alexandria Egypt

ACADEMIC DEGREES:

1. Ph. D., in Nuclear Materials, January 1979, Alexandria Univ.
2. M. Sc., in Nuclear Materials, June 1976, Alexandria Univ.
3. B. Sc., in Nuclear Engineering, June 1967, Alexandria Univ.

PROFESSIONAL CERTIFICATION:

- ASNT-TC-1A **Level III** Since 1986
- AWS Certified Welding Engineer (C.W.Eng. 006), 2000
- Selected by the International Board of Directors of **"Who is Who"** having achieved distinguished contributions, 2008

FELLOWSHIPS:

1. Research Fellowship, Center d, Etudes Nucleaires de Saclay, French Atomic Energy Commission, and January - December, 1975.
2. Research Fellowship, European Community Research Center at ISPRA, Varasy, Italy July 1976 - October, 1977

SCIENTIFIC VISITS:

1. Visiting Scientist in the field of **(Safety and Inspection of Nuclear Facilities)** United States Nuclear Regulatory Commission and other places in U.S.A., June 1985 - May 1986. The main purpose of the visit was to evaluate the safety features and the environmental impact of some built and under-construction nuclear power stations. Three power stations were investigated (Main-Yankee, DC Cock plant and Phoenix Nuclear power Station). The US Code of Federal Regulations requirements for quality, safety and environmental impact in power stations (10CFR 50) was the main standard applied in such work.
2. International Atomic Energy Agency (IAEA) Fellowship, Argonne National Lab., Illinois, U.S.A, June 9 - Aug. 8, 1980, **(Inspection and QA of Nuclear Power Plant Construction)**. The main objective was certification and training on preparation of quality and safety management systems for nuclear and conventional power stations according to IAEA Quality Assurance Requirements (50-C-QA).
3. Visiting scientist to Ohio State University, Dept. of Welding Engineering July, 1980. The Welding Codes and Standards in Boilers and Pressure Vessels (ASME Code) and Power Piping Systems (ANSI B31.1 Standard) were studied.
4. Scientific Visit, National Institute of Science and Technology, Saclay, France, April 11- May 18, 1983, **(Training Program in Quality Assurance in Nuclear Power Generation Plants)**.
5. Scientific Visit, TUEV Institute, Essen, Federal Republic of Germany. September- October, 1984. **(Safety and Quality Codes and Standards in the Nuclear Industry)**.
6. UNIDO Sponsored Program on **(Research and Innovation Management)**, 15 Sept. - 12 October, 1991 Trieste, Italy
7. Twentieth International Nathagali Summer College on Physics and Contemporary Needs 24 June - 13 July, 1995 Pakistan Atomic Energy Commission Islamabad, Pakistan **(Theme: Energy and Environment)**.
8. WAITRO International Seminar on **(Accreditation and Certification of Research and Technology Organizations)**, 18 - 22 Nov., 1996, Cairo, Egypt.

TEACHING EXPERIENCE:

I prepared and taught several courses for graduate and undergraduate students. Courses include:

1. Welding Metallurgy and Engineering
2. Safety and Environmental impact for several industrial installations (including applications of ISO-14000 and OHSAS-18000)
3. Quality Control and Quality Assurance including application of the ISO- 9001 requirements and ISO-17025
4. Material Selection for Mechanical Design
5. Nondestructive Testing
6. Quality Management Systems and Environmental Management Systems.

RESEARCH EXPERIENCE

Research experience includes the following:

More than 70 research papers and articles in various fields of material Properties, quality and computer applications in industries. (See attached list of Publications). Specific fields of interest in research include:



1. Hydrogen energy, Energy conversion, Management and economics.
2. Computer applications in industry.
3. Inspection and quality of power generation components.
4. Degradation in the materials of light water nuclear power reactors
5. High temperature properties of metals and industrial alloys.
6. Supervising several Masters and Doctorate Degree Thesis at most of the Egyptian Universities.

EXPERIENCE IN CONFERENCES AND SIMINARS ORGANIZATION:

1. General Secretary of the International Conference in Boilers and Pressure Vessels. The conference was held in 1993, 1995 and 1997.
2. Responsible for organizing AEA training courses and seminars in Alexandria area since 1991. Normally about two national, regional and or international events are performed each month.

INDUSTRIAL EXPERIENCE:

Extensive practical experience in various industrial fields including, Welding, Quality, Inspection, Safety, environmental impact, Material Selection, etc. Examples of such experience include:

1. Owner representative in the Egyptian Second Nuclear Research Reactor at Inshass. I was involved in the subjects of QA/ QC, environmental impact, inspection of received materials, preparation of M&I plans for parts and components manufactured locally.
2. Preparation of several companies to get certified for ISO-9000 and ISO-14000. Such companies include manufacturing companies (Agrochemical Co., Alexandria Cement Co.), contractor (Horse Co. for Engineering Works), thermal power generation (El-Awayed power plant), etc.
3. Prepared and taught, since 1980, courses for engineers and other professionals in industry in various subjects including ND, welding, ASME code requirements, API standard requirements, quality and environmental management systems, Safety requirements, Project Management, etc. Courses are sponsored by Atomic Energy Authority, American University in Cairo, and Arab Academy for Science and Technology, etc. Trainees are coming from various industries including:
 - Petroleum industries including production, refineries and petrochemical plants.
 - Thermal and hydraulic power generation facilities including Shubra-Elkhemah thermal power plant, Nagaa-Hammadi hydraulic power generation unit, etc.
 - Chemical and pharmaceutical industries.
 - Ship-building and shipping industries.

MEMBERSHIP OF PROFECIENAL SOCIETIES

Member of the following societies

- New York Academy of Science.
- American Welding Society.
- American Society of Quality Control.
- American Society of Nondestructive Testing.
- Lightening Protection Institute.
- Egyptian Corrosion Society.
- Egyptian Society of Nuclear Sciences and Applications.
- International Association for Hydrogen Energy.

Member of the Board in the following societies:

- Egyptian Welding Society.
- Egyptian Society of Engineering Inspection.

PERSONAL DATA

- Date of Birth: Nov. 25, 1944.
- Marital Status : Married With 3 Children
- Social Activities: Member of the following clubs: Alexandria Rotary Club, Smouha Sporting Club, and El-Olomby Club.

PARTIAL LIST OF PUBLICATIONS

1. **(Etude de la Structure et du Comportement en Presence d'Hydrogene des Liaisons Acier 304-Zircaloy Realises par Diffusion a Haute Temperature).;** Note Technique No D-Tech SRMA/75-683. C. E. N. - Saclay, France, December. (1975), (in French).
2. **(Metallurgical Properties of Some Nuclear Fuel Cladding Materials; Effect of Hydrogen on Zircalloy- Stainless Steel Diffusion Couples.);** M. Sc. Thesis, Alexandria University, (1976).
3. **(Development of a Micro-Radiographic Technique for Detecting Creep Damage in An Austenitic Stainless Steel.);** Arab J. Nuclear Sciences and Applications 11 (1978) 206.
4. **(Investigation of Diffusion Bonding Between Zircalloy-4 and 304 Austenitic Stainless Steel.);** J. Nuclear Materials 71 (1978) 277.
5. **(Time and Stress dependencies of Creep in Type 304 Austenitic Stainless Steel.);** 2nd Metallurgical Conference in A.R.E., El-Tabbin, Cairo, 9-12 December, (1978).
6. **(Diffusion Bonding of Stainless Steel to Zircalloy-4 in the Presence of an Iron Intermediate Layer.);** J. Nuclear Materials. 78 (1978) 341.
7. **(Interdiffusion of Zircalloy-4 and Nickel);** J. Nuclear Materials 80 (1978) 152.
8. **(Some X-Ray Diffraction Observations on Type 304 Austenitic Stainless Steel Creep Specimens.);** Technical Note 1.7.02.77.40, Commission of the European Communities, Ispra Research Center, Italy, August (1979).
9. **(Creep Behavior of Type 304 Austenitic Stainless Steel.);** Ph.D. Thesis, Alexandria University, 1979.
10. **(Hydriding Behavior of Zircalloy- Stainless Steel Diffusion Couples.);** J. Less Common Metals, 46 (1979) 77.
11. **(Diffusion Welding of Zircalloy -4 with Stainless Steel and Iron.);** The Second Conference on Nuclear Sciences and Applications, 22-26 April, 1978, Cairo, Egypt. Also Published in Arab development J. Science and Technology, 3 (1980) 57-66.
12. **(Creep Rupture in Type 304 Stainless Steel.”,** Current Advances in Mechanical Design and Production, Proceedings of the 1st Intl. Conf., Cairo Univ., Egypt, Dec. 27 - 29, 1979. Pergamon Press, 1981, PP. 351 - 359.
13. **(Carbide Precipitation During Creep of Type 304 Stainless Steel.);** 1st Intl. Conf. On Production Engineering, Design and Control, Alex. Univ., Egypt, Dec. 1980.
14. **(Towards a Nuclear Quality Assurance Program in Egypt.);** Presented at the Conference on Nuclear Technology in Developing Countries. October 12-16, 1981 Grado, Italy.
15. **(Behavior of Zircalloy-4 in Contact with Stainless Steel, Ni and Fe.);** Ibid.
16. **(Creep Cracking in Type 304 Stainless Steel at 550 - 600 °C”,** 2nd Riso Intl. Symposium of Metallurgy and Materials Sciences, September 14 - 18, 1981 Riso, Denmark.
17. **(Failure of Boiler Tubes at the Dyestuff and Chemicals Co., a Case Study.)** Presented at the Seminar on Corrosion in Boilers Organized by the Egyptian Corrosion Society, Cairo, Dec. 9, 1981.
18. **(Hydriding Kinetics of NiZr Intermetallic Compound.)** 5th world Hydrogen Energy Conference, International Association for Hydrogen Energy, [Toronto, Canada, July 15-20, 1984, Conference Proc. Vol. 3, PP. 1443- 1453, Pergamon Press, N. Y., USA (1993).
19. **(Post Weld Heat Treatment of Type AISI 308 Stainless Steel Weldments.);** 1st Intl. Conf. On Production Engineering and Design for development, Dec. 27 - 29, 1984. Conference Proceedings, Vol. 2, PP. 421- 432.

20. **(Hydriding Behavior of NiZr₂.)** 2nd Intl. Symposium on Hydrogen Production from Renewable Energy, October 22 - 24, 1985, Coca Beach, Florida, U. S. A, Conference Proc. PP. 256 - 268.
21. **(Hydrogen Production from Solar Energy in Egypt)**, Ibid PP. 37 - 44.
22. **(Quality Assurance Requirements in Various Codes and standards.)**, Quality Progress, 19 (Nov. 1986) 24 - 26.
23. **(Ferrite Content and Morphology in Type 308 Stainless Steel Weld Metal.)**; Third International Conf. On Production Engineering Design and Control, Alex. Univ., Egypt, Dec. 1986.
24. **(Welding of Zircalloy Thin Tubes to End Plugs in Nuclear Fuel Pins.)**; Ibid.
25. **(An Overview of Environmental Materials Degrading in Light-Water Reactors.)**; United States Nuclear Regulatory Commission Report No. NUREG-1196, August 1986.
26. **(Summary of Reactor Construction Appraisal Team Inspection Reports on Welding and Nondestructive Examination Activities.)**; ibid, December 1996.
27. **(Studies on the Hydriding of Ni-Zr Intermetallic Compounds.)**; 6th World Hydrogen Energy Conference, A Clean Energy for the Future, Vienna, Austria, 20 – 22, July, 1986.
28. **(Nuclear Reactor Pressure Vessel Steels: Environmental Degradation and Developments.)**; 1st Regional I Symposium on Materials Science in the Arab States; Institute of Graduate Studies and Research, Alex. Univ., Alexandria Egypt, 29 - 31 December, 1987.
29. **(Hydrogen Storage in Ni-Zr Intermetallic Compounds.)**; Ibid, Vol. IV PP. 31 - 49.
30. **(Hydriding Kinetics of Activated NiZr and NiZr₂ Intermetallic Compounds.)**; International Symposium on Renewable Energy Sources, Cairo, Egypt, 13 - 16 June, 1988, Conf. Proc. Vol. I, PP. 437 - 446, National Research Center, Cairo, Egypt (1988).
31. **(Phenomenological Aspects in Thermal Hydriding Cycles of NiZr₂ Compounds.)**; Ibid, PP. 429 - 436.
32. **(Degradation in Steam Turbine Materials.)**; Egyptian-German Seminar on High Temperature Alloys, Atomic Energy Establishment, Cairo, October 31 - November 2, 1989.
33. **(Radiographic Evaluation of Nuclear Fuel End Plug Welds.)**; 3rd Intl. Ain-Shams Univ., Conf. On Production Engineering and Design for Development, Conference Proceeding PP. 81 - 92, Cairo, Dec. 27 - 29, 1990.
34. **(Transformation Kinetics of Delta . Ferrite During Post-weld Treatments of Types 308 and 316 Stainless Steel Weld Metal.)**; Al-Azhar Engineering 2nd International Conference, Dec. 21 - 24, 1991.
35. **(Activation Studies of LaNi₅ for Hydriding.)**; The Third Mining Petroleum and Metallurgical Conference, Cairo Univ., Feb. 2 - 6, 1992, Conference Proc. Vol. 3 Part 2, PP. 406 - 416, Faculty of Eng. Cairo Univ. (1992).
36. **(Materials Degradation in Power Plants Condensers.)**; Ibid.
37. **(Hysteresis in LaNi₅-H₂ System During Activation.)**; World Renewable Energy Congress, Dept. Eng., Reading Univ., Reading United Kingdom 13 - 18 Sept., 1992.
38. **(Electrical Power Resources in Egypt Production and Consumption Compared to the International Level.)**; ARE - AEA / Int. report - 1992.
39. **(The Application of Intelligent Computer Systems in the Petroleum and Petrochemical Industries.)**; 33rd Science Conference, Nov. 6 - 12, 1993 Damascus, Syria, Conf. Proc. Vol. 5, PP. 601 - 618, Supreme Council of Science, Damascus, Syria (1993).
40. **(Detection of Corrosion in Heat Exchanger Tubing by Eddy Current Testing.)**; 1st International Symposium on Heat Exchangers & Boilers (HEB 93) 23 - 24 June, 1993 Alexandria, Egypt, PP. 37 - 45.
41. **(Metallurgical Problems in Steam Generators Tubes of PWR and Remedial Actions.)**; Ibid, PP. 101 - 119 (1993).
42. **(Corrosion Failure of the VCM Condenser at the Egyptian Petrochemical Co.)**; Ibid, PP. 197 – 204 (1993).
43. **(Thermal Hydriding of Some Ni-Based Intermetallic Compounds.)**; Int. J. Hydrogen Energy, 18 (1993) 575.

44. **(An Intelligent Computer Based Approach for X-Ray Radiography of Thin Tube Welds.);** Journal of the Canadian Society of Nondestructive Testing, 14 (1993) 22 - 28.
45. **(Stress Corrosion Cracking in Nuclear Power Plant Piping Systems.);** 13th Annual Conference on Corrosion Problems in Industry, Sept. 14 - 15, 1994, Ismailia, Egypt, Conference Proc., Vol. II, PP. 1 - 13, Egyptian Corrosion Soc., Egypt (1994).
46. **(Relation Between Maximum Degree of Hysteresis and both Temperature and Pressure During Hydriding of LaNi₅);** Intl. Spring School and Symposium on Advances in Materials Science, 15 - 20 March 1994, Atomic Energy Authority, Egypt, Conference Proc., PP. 701 - 710 (1994).
47. **(Phase Transitions During Hydriding Activation of LaNi₅ Intermetallic Compound.);** Ibid PP. 711 - 720, (1994).
48. **(Hydrogen Storage in Ni-based Intermetallic Compounds),** 20th International Nathiagali Summer College on Physics and Contemporary Needs, Bhurban – Pakistan, 24 June - 13 July, 1995.
49. **(Environmental Degradation of PWR Materials and Effective Remedies),** ibid.
50. **(Quality Culture; Creation and Deployment.);** Presented at the Seminar on (Risk, Quality and Safety Culture), Atomic Energy Authority and Institute of Statistical Research and Studies, Cairo, December 16, 1996.
51. **(Computer Aided welding Qualification of Petroleum Pipelines and Related Facilities.);** Proc. 3rd International Conference on Heat Exchangers, Boiler and Pressure Vessels, HEB 97, April 5 - 6, 1997, Alex., Egypt PP. 149 - 164.
52. **(Heat Transfer in the Weld Pool. A 3-D Finite Element Approach.);** Proceeding of the International Conference on the Joining of Materials JOM-8, May 12 - 14, 1997, The European Institute of the Joining of Materials, Helsingor, Denmark, PP. 368 - 375 (1997).
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58. **(Materials Integrity of Piping Systems in Light Water Reactors.);** 16th Annual Conference on Corrosion Problems in Industry, Egyptian Corrosion Society, paper No. 3, 9 - 11 Dec. 1998, Hurdaga, Egypt.
59. **(A Knowledge – Based Computer System for welding Performance Qualification in Accordance to API-1104.);** 22nd Intl. Conf. On Computers and Industrial Engineering, ICC & IE 97, Dec. 20 - 22, Cairo, Egypt (1997) PP. 200 - 203.
60. **(Electricity from Nuclear Power-Economics and Environmental Impact.);** Presented at the Dept. of Economics, Alexandria Univ. Annual Meeting, Nov., 1997.
61. **(Welding Training and Certification in the Egyptian Industry.);** The International Conference on Education, Training, Certification and Accreditation in Welding, Helsingor, Denmark, October 12 - 14, 1998.
62. **(Building Data Acquisition Systems for Reactors.);** 4th Arab Conference for Peaceful Uses of Atomic Energy, Tunisia, 14 - 18 Nov., 1998.
63. **(Corrosion and Degradation in the Nuclear Reactor Core Materials.);** 17th Annual Conference on Corrosion Problems in Industry, Egyptian Corrosion Society, Dec. 1 - 3, 1998, Ismailia, Egypt, paper No. 12 in the proceed., Vol. I.

64. **(An Artificial Intelligent System to Prepare In-Service Inspection Programs for Research Reactors.);** Presented on the 9th Internal Conference on the Joining of Materials JOM - 9, 16 - 19 May, 1999.
65. **(Morphology and Elements Distribution Flame Sprayed Coating Layer on Stainless Steel.);** Proceedings of the 6th International Conference on Mining, Petroleum and Metallurgy, Vol. 3, Metallurgical Engineering, Cairo Univ. 20 - 24 February 1999, pp. 250 - 263.
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68. **(An Intelligent Computer Software for Flaw Evaluation in Nuclear Installation welds);** *ibid*.
69. **(Present Situation in Welding Personnel Qualification in Egypt);** 2nd International Conference on Education in Welding, October, 15-17, 2000, Helsingor – Denmark.

Eugene Anaelechukwu Igwe

Naval Architect:- Ship Construction and Maintenance Nigeria Ltd.
Consultant to the AluminumNow Group

Education:

- *1967 – 1971 (Township District Primary Sch.) Dunkwa Kumasi Ghana.
- *1972 – 1975 (St Paul's Catholic Primary Sch I) Apapa, Lagos Nigeria.
- *1976 – 1990 (Emekuku Boys High Sch.) Owerri Imo, State Nigeria.
- *1980 – 1983 (Govt. Tech. College Enugu) Enugu State Nigeria.
- *1983 – 1984 (Institute of Management & Technology) Enugu State Nigeria.

Qualification

- ✚ Final City & Guilds Certificate. (1983)
- ✚ Full Technological Certificate. Fabrication Engineering (1984)
- ✚ Construction Safety Certificate. NISP (2008)
- ✚ Certificate in Marine Technology (Lloyds Maritime Academy) 2009
- ✚ Certificate in Naval Architecture (Lloyds Maritime Academy) 2013
- ✚ Associate member Royal Institute of Naval Architects

Working Experience

- ✚ Anambra Motors Company Ltd (I.T).
- ✚ PDS Consortium Services Ltd. (Construction Mate)
- ✚ Nigerian Navy Fleet Support Group 'E' (Tech. Officer. Shipwright)
- ✚ Nigerian Naval Shipyard. (Chief Draughtsman, Manager Quality Control/Plans)

Ms. Zühal CAN(Yanki Marine)

Naval Architect and Ocean Engineer

Education and Experience

- ✚ ITU (Naval Architecture and Ocean Engineering Faculty)
- ✚ Total experience of 15 years of design and production
- ✚ Total experience of 4 years in General Secretary of The Chamber of Turkish Naval Architects & Marine Engineers Society
- ✚ Total experience of 2 years in Lecturer Kocaeli University Karamürsel Naval Architectural Technical College
- ✚ Constructor for 4 years in Admarin Design and Consultancy Co.
- ✚ Turkish Naval Military (Quality Control Engineer)
 - **Project and planning manager for 6 years in UZMAR SHIPPING CO.**
 - **Production and planning manager for 6 months in Ana UNITED GROUP CO.**
 - **General Manager for 4 years in OCTOMARINE**



Ömer CİNALIOĞLU

Production Mechanical Mounting Engineer:- Mechanical Engineer Bsc
AYBOT Shipyard/**AluminumNow Turkey Group**

Education

Black Sea Technical University, Mechanical & Electrical Engineering Faculty, Mechanical Engineering Department

Science Section of Manufacturing & Design in Trabzon /Turkey.

Graduated & Diploma Project, Hydraulic Machineries Water Pump & Turbine Design and Construction- Welding Laboratories Working on base of the Steel Material & Structures.

Professional Experience : 28 years

WORKING SUBJECTS

- **Production Management**
- **Accident Prevention**
- **Quality & Management Representative & Quality Control & Consultant**
- **As the Teacher;** Technical Drawings , The Ship Manufacturing & Operations , The Hydrostatics of The Ship , The Ship Building & Main dimensions and Comprehensions. Structural monitoring for all the systems & auxiliaries
- **Project Engineer- Installation Chief - Maintenance & Operational Team Leader**

AluminumNow Group

- ✚ **AluminumNow Group** services include design & build facilities/management, shipbuilding, re-fit of commercial and pleasure vessels, sourcing or providing, business plans, professional advice & Consultation, New or Used vessels and Insurance & Financial facilities on behalf of Clients.
- ✚ **AluminumNow Group** is actively marketing new builds of tugs, patrol boats, pilot boats, crew boats, ferries, offshore vessels, training ships, hovercraft & Hoverflight, fishing boats and the Greenline Series tugs etc. in Turkey, Africa, Middle East, and the Americas.
- ✚ **AluminumNow Group** has shipyard in the UK, (McTay) and associated shipyards in Europe, Turkey, Asia and North America.
- ✚ **AluminumNow Group** has direct representation in the UK, Canada, Turkey, Nigeria, and Egypt.
- ✚ **AluminumNow Group** has associated companies in the UK, Canada, USA, Europe, Asia, Turkey (AluminumNow Turkey), Africa & Nigeria (AluminumNow Africa).
- ✚ **Greenline, Greenline Series and Green Tug** are copyrighted by **AluminumNow Ltd.**
- ✚ **AluminumNow Group** represents and is associated with **Duzgit Group**, www.duzgit.com for builds in Turkey of Patrol Boats, Offshore service vessels, Cargo vessels and tankers to 55,000DWT and supplier of Kits for steel construction in Nigeria.
- ✚ **AluminumNow Group** offers Sea Transport of Australia designs, and their design portfolio of award winning medium speed (16 to 25knots) RoRo Cat Designs, including ferries(drive thru and stern ramp only), bow designs for unprepared beaches for military purposed, passenger, helicopter landing/patrol vessels, etc.
- ✚ **AluminumNow Group** offers designs by Seacraft LLC, www.seacraftdesign.com, designers of Fast Crew and work boats.



- ✚ **AluminumNow Group** represents AMD Marine Consultants, <http://www.amd.com.au>, designers of Fast & Medium Speed Ferries.
- ✚ **AluminumNow Group** represents Mark Williamson, www.scy.net.au, designer of Patrol Boats to 40m, Pilot Boats, Landing Craft and ferries.
- ✚ **AluminumNow Group** represents Sea Speed Design of Australia, <http://www.seaspeeddesign.com>, for the design of catamaran ferries, wind farm service vessels, military vessels and yachts.
- ✚ **AluminumNow Group** represents Haley Shipbuilding SES designs in Greece & Turkey
- ✚ **AluminumNow Group** represents Kurt Hughes Designs, <http://www.multihulldesigns.com>, for builds in Turkey supplying Africa, the Caribbean including Venezuela, Europe and the Middle East.
- ✚ **AluminumNow Group** offers Macduff Ship Design Ltd, www.macduffshipdesign.com, for the design of Tugs, AHTS etc, incorporated in our **Greenline Series**.
- ✚ **AluminumNow Group** offers Crowley Tug design of Push Tugs etc, www.crowley.com, incorporated in our **Greenline Series**.
- ✚ **AluminumNow Group** offers electric drive systems thru EngTek Manoeuvrva Systems PTE Ltd, www.ems-thrusters.com, for the drive systems of Tugs, AHTS, ferries, yachts etc, incorporated in our **Greenline Series** in
- ✚ **AluminumNow** represents Farrell and Norton Naval Architects, www.farrellandnorton.com, for the design of Fishing Boats, Tugs, AHTS etc, incorporated in our **Greenline Series for build in the USA, Canada, Europe, Turkey(including the Middle East) and Asia**.
- ✚ **AluminumNow Group** represents Australian Hovercraft; www.australianhovercraft.com in USA, Canada, Africa, Greece & Turkey
- ✚ **AluminumNow Group** represents and is associated with USTAOGU Yat ve Gemi Sanayii. as may be required. as their Turkish shipyard for tugs including the “**Green Tug Concept**” and similar ships.
- ✚ **AluminumNow Group** represents and is associated Yanki Marine(Yanki Denizcilik) as in house Naval Architects as their consultants & shipyard management for builds of Pilot Boats, Patrol Boats, Tugs, AHTS, PSV and similar in Turkey and West Africa
- ✚ **AluminumNow Group** consults with Explora Security Ltd.(UK), Architects & Engineers on security solutions for land based installations.
- ✚ **AluminumNow Group** represents, Voith Turbo Schneider Propulsion GmbH & Co. KG, and Voith Turbo Marine Engineering GmbH & Co. KG manufacturers and suppliers of Voith Schneider Propellers and their design integration as well as to ship design..
- ✚ **AluminumNow Group** represents, is associated with and the representative in West Africa for Seafury International Ltd (New Zealand) manufacturers and suppliers of Seafury surface drives.

AluminumNow Group in Turkey

Aware of the need to provide business solutions to the ship building business which are professional, and fully transparent, **AluminumNow Ltd. & certain shipyards and marine specialists** have pooled their resources and expertise to create an efficient modern shipbuilding group in Turkey utilizing dedicated shipyard facilities.



From Aluminum Mega Yachts and High speed ferries to steel tugs, ships and barges, we deliver the things that matter most; cost efficient construction, low cost operation, seaworthiness and smooth ride. We are proud of our ability to work with clients. We and our colleagues are conducting ongoing research to insure our vessels perform as predicted, instilling confidence in our ability to provide a superior product.

AluminumNow Turkey vessels offer a practical solution to cutting operational cost, without compromising simplicity of design or ergonomics. When you commission an AluminumNow Design product you know you are dealing with a team of highly qualified professionals.

Our services include:

- Design/Build/Commission of steel, aluminum or composite vessels.
- Technical support
- CAD/CAM integration cutting data Plan certification.
- DNV, Lloyds, ABS, BV and local survey authorities.
- Continuous liaison with professionals in all aspects.
- Regular construction inspections.
- Drawings supplied in hard copy and electronic format.
- Three dimensional (3D) renderings.
- Structural engineering and FEA.
- Interior Design.
- Marine Surveys.
- Marine Insurance including builder's risk.
- Financial Consultation.
- Project Management.
- Diesel/Electric Drive Systems

AluminumNow Ltd.. has associated offices in eleven countries including Turkey, Nigeria, Egypt and Canada

Design

Our Designs Team Includes:

Our Naval Architect Group provides development, design, construction and management of specialized mission sensitive marine craft. The Group comprises highly experienced marine management specialists, engineers, naval architects and seagoing professionals working in collaboration with carefully selected partner shipyards qualified to build to each projects exacting standards.

Naval Architects

All composite and aluminum vessels are designed in house by Group companies and have all proven themselves in active service with various military and law enforcement agencies.

Maritime Security

The escalation of terrorism, smuggling and high seas piracy demonstrate the need for updated, expanded and state-of-the-art systems for vigilance, protection and response.

Developed from a stable of combat proven vessels, Seahunter Patrol Boats respond to that need by providing ultra - high speed, versatile multi role patrol craft built of advanced composites resulting in stealth attributes with ballistic protection for the crew and combatants.

Stealth technology provides the element of surprise. From a tactical standpoint, stealth allows operation at closer range with increased impunity. Stealth characteristics also make the adversary work harder to detect your asset which disrupts the way they carry out operations.



Mission Roles

- Protection of Offshore Installations
- Surveillance of Inland & Coastal Waters
- Wet Perimeter Airport and Power Station Protection
- Port & Harbour Security
- Underwater Pipeline Security
- Ferry & Cruise Ship Escort
- Boarding of Suspect Craft & Drug Interdiction
- Piracy Intervention
- Multi Force Covert Operations
- Intricate Air Sea Rescue Missions
- Inshore and Offshore support to the oil industry



AluminumNow Group

Coastal Patrol 30m



36 Knots

Patrol Boats to 40M designed by Mark Williams of Australia.

A large portfolio of medium and high speed craft available for build in Nigeria

15m Fast Patrol Craft



64 Knots



aluminumnow
GROUP
Maritime Solutions



56 Knots

40 Knots



AluPatrol 40m

Also available as 32m

Offshore Patrol Vessels from STX,

The **AluminumNow Group** offer designs from STXM a company which has developed a suite of OPV designs, ranging in size from 25 to 100 metres, with varying operational and performance capabilities, to meet the requirements of clients around the world.



Cost Effective, Highly Capable Offshore Patrol Vessels (OPV's)



The **AluminumNow Group** is pleased to offer Offshore vessels from STXM a company which has a database containing designs for more than seventy **Offshore Support Vessels** of varying types, many of which are currently in service.

Through the years STXM has developed Offshore Supply Vessels (OSV), Anchor Handling Towing Supply (AHTS), and Platform Support Vessel (PSV) designs for operation in shallow water, deep water and ice infested waters found in the hostile polar environments

The **AluminumNow Group** is pleased to offer the STXM designs for build in Nigeria with backup and technical assistance from our associated shipyards in the UK and Turkey



Note Dual Fuel Options Available

Paul Birgan Sea Speed Pty Ltd. <http://www.seaspeeddesign.com>

SEA SPEED PTY trading as Commercial Marine Consulting Services (CMCS) was formed in July 1989 by founders Paul and Vicki Birgan to facilitate their desire to produce new age boat designs for and pleasure, and commercial vessels.

Initially designs being small aluminium monohull work vessels and larger steel landing barges using his extensive knowledge in marine survey requirements gained from 7 years working in the local marine department.





The first Aluminium Catamaran design was produced in 1992 for a client in Italy, This was the 12 Metre Dive Catamaran for Studio Carena. The performance was outstanding with speeds far in excess of the contract speed and from then on business has grown steadily.

Paul is now principal designer of Sea Speed Design team comprised of other talented contract designers and naval architects each specialist in their field. "Sea Speed Design" utilizes the latest in computer design software to produce "state of the art" vessels based on their range of proven hulls. Research continues to be undertaken into new approaches to design and computer cut assisted construction. The extensive tank testing program has assisted with hull refinements to maximize performances and fuel economy.

CMCS has designed over 100 different successful vessels and now due to market demand is specializing in the designs of high performance aluminum Catamarans. New designs are currently for construction in Turkey, Australia and Hong Kong/China.



Kurt Hughes of Kurt Hughes Sailing Designs
<http://www.multihulldesigns.com/ferrys.htm>



This office has been a leader in creating efficient, user friendly passenger ferries.

Most of the catamaran ferries are designed by large design offices, and in Kurt's opinion, designed badly. They are usually metal, are heavy, have poor efficiency, and a poor ride, compared to what they could have. There are significant reasons for that.

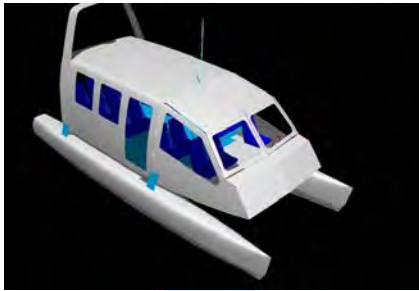
Those catamaran ferries come from offices who have been designing single hull ferries decades. They do cats now like they always did the mono-hull vessels and do not gain the full advantage of a catamaran design.

Kurt comes from a sailing catamaran background. Instead of just piling on the horsepower, efficiency is important. These lessons have been applied our passenger cats (ferry) that Kurt designs.

Offer a full line of USCG-certified multihulls (or to client's requirements) using modern techniques in composite construction.

Featuring:-

Economic Builds and operational costs, lower horsepower for payload and low wake



Medium Speed Ferries, Cargo and AHTS

Sea Transport Corporation is a Marine group involved in the design, build, owning and operation of Commercial vessels.

Sea Transport Solutions (STS) is the technology division of Sea Transport Corp and can provide full consulting services from vessel optimisations (type size and speed) through to bankable feasibility studies.

Sea Transport Logistics (STL) is the technical and operational division that focuses totally on Bulk Transhipment Solutions.

Design services from concept, tank testing, to structure and CNC for the vessels in “kit form”, can be provided by the company.

STS prides itself as designers with “real experience” and STS has gained an impressive record for designing innovative and commercially unbeatable shallow draft vessels. 45 countries now have STS designs.

Stuart Ballantyne of **Sea Transport**, www.seatransport.com is an experience Naval Architect.

- Seven(7) years Merchant Naval – Deck Officer
- National Service R.A.N. – Sub-Lieutenant
- Three(3) years superintendent – Australian National Line
- Founded company/group in 1976
- Fellow of the Royal Institution of Naval Architects
- Member of Chartered Institute of Transport(CIT)
- CIT Achiever of the Year 1995
- Board member of IMTA/Interferry 1989 – 2002
- Director of Sea Freight Council, Queensland.

Mr. Ballantyne is a believer of the use of medium speed ferries verses high speed ferries and is often guest speaker at International Shows and Conferences on this subject.

Mr. Ballantyne and his team have over the years produced effective, economical designs of monos and cats etc which have proved to be sound business investments in both safe, efficient operation and cost effectiveness.

Sea Transport designs have been accepted internationally and are being build in many countries including Turkey, Asia, Europe and North America.



Medium Speed Ro/Pax Ferries with beach landing capabilities if required.



Greenline Tugs & AHTS

Donald Cameron, FRINA, MCMS. - Naval Architect
Macduff Ship Design Ltd. (retired)

Professional Experience:

1970 – 1995

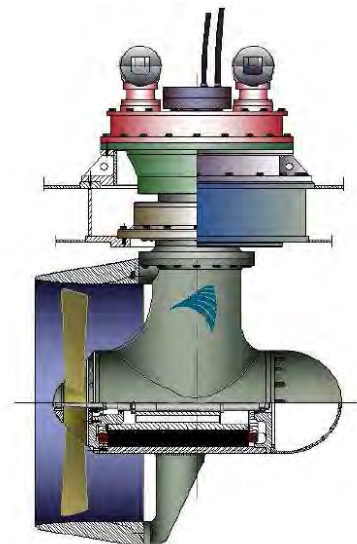
Apprentice draughtsman at Campbell Town Shipyard, Argyll, Scotland.

Naval architect - The Napier Company, Arbroath,

Drawing Office Manager - Herd and Mackenzie Shipyard, Buckie.

Technical Director - James N. Miller & Sons Shipbuilder in Fife,
1995- Present

Managing Director/Naval Architect - Macduff Ship Design Ltd.

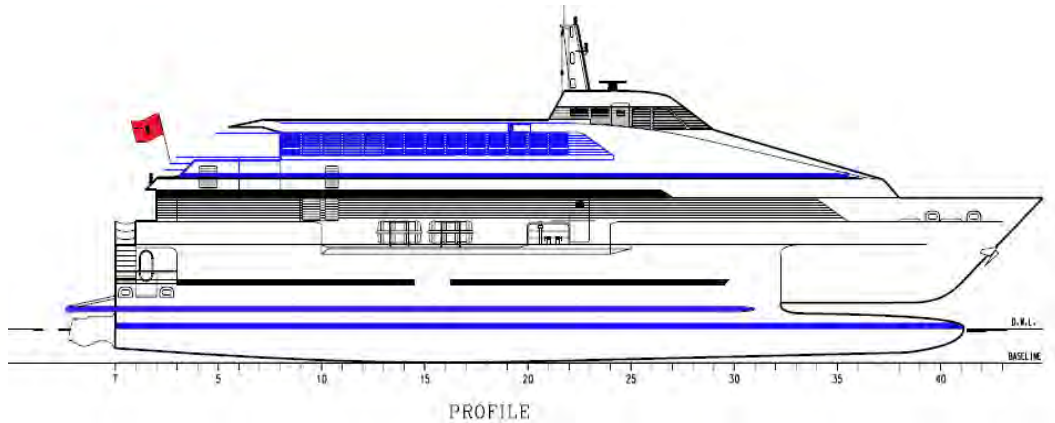


Fast Ferries, Catamarans in Aluminum

AMD Marine Consulting

Fast Ferries, Catamarans, Patrol Ships etc.

AluminumNow is pleased to call upon the considerable general marine industry design and fault analysis experience, and extensive fast ferry knowledge of AMD who is highly qualified to provide engineering consulting services to designers, ship yards and ship operators. The expertise of the following AMD directors is the reason behind the success of the designs which are available thru AluminumNow Group.



Hovercraft & Hover flight

Australian Hovercraft Pty Ltd www.australianhovercraft.com

Designers and Manufactures of High Speed Open Ocean Wing in Ground Effect Hovercraft

Representatives for Africa with building rights in West Africa

Our Velocity and Hoverflight hovercraft are designed to be mass produced, priced to be competitive with a similar sized boat, offer generous cabin area with 300 degree visibility, low sound levels, can operate in sea states up to force six, in white water conditions, over surf, or amongst reefs with cruise speeds up to 40 knots. Departures with full load are normally from deep water, unlike most other hovercraft.

The Hoverflight Hovercraft with wings are in fact ground-effect machines that cruise at 70 Knots 1 to 5 metres above the ocean providing high speed ocean transport over smooth or rough seas. The wings can be removed for normal hovercraft operations as determined by mission requirements. This craft can take off and land in Open Ocean in force 6 sea states and in water depths of 3mm or more over reefs or mud flats.



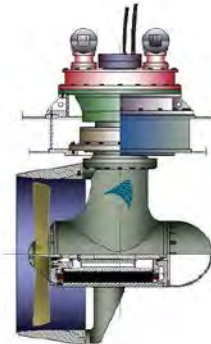
Equipment & Material Representation in West Africa

AluminumNow Ltd.. recognizes the importance of service & maintenance programs in addition to the availability of equipment and materials for new builds.

To this end AluminumNow Ltd.. is in discussions with various engine manufactures to offer and represent their products in West Africa.

Surface drives for Patrol Boats, Fast Crew and Ferries etc.

AluminumNow Ltd. represents Seafury International Limited, www.seafury.com



AluminumNow Group offers drive components from EngTek Manoeuvre Systems PTE Ltd. www.ems-thrusters.com

Designs and manufacturer of electric propulsion systems for Tugs, PSV, ROV, Multi-Purpose vessels, ferries, cargo and passenger ships

Offering for West Africa with the following equipment for supply, repair and maintenance.



Doosan PowerSys.



Waterjets by a world leader



Servo-Gear

Modular Interiors for New Builds & refits:-



Associated Operation & Management

Ata Offshore Services (Marine Operators and Management for AluminumNow Ltd..

Established in 2009 by a team who are the also owners of Grandi Chartering Istanbul and have been in the towage, salvage, operations, management and brokerage for nearly decade.

Our main aims are resolving to unhesitatingly deliver expert assistance to our customers all around the world.

All parties involved - including ferry, ship and cargo interests, management, crew and nearby coastal communities – are the Group's customers. As such they deserve the best services we can offer, on a local and international basis.

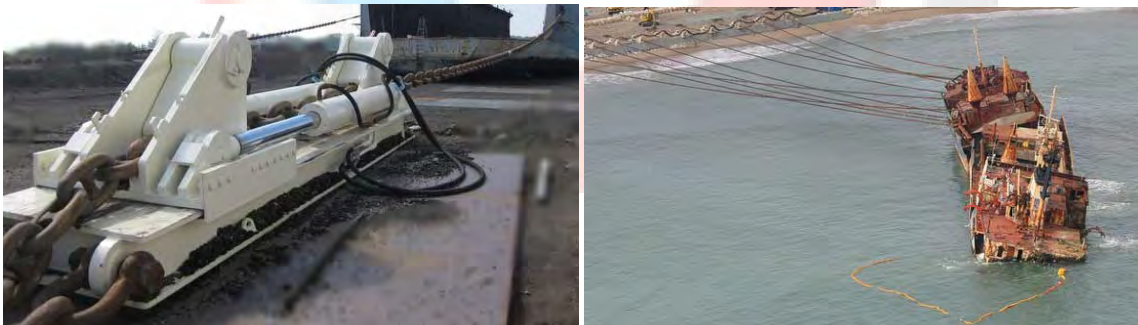
Ata with AluminumNow Ltd. is committed to maintaining a modern, global network through the strategic stationing of its own towage & salvage assets in addition to ferry operation and management as well as friendly cooperation with regional and international **salvage** firms, and will continue to enhance its proven ability to respond quickly and efficiently to maritime emergencies wherever they occur.

Salvage & Wreck Removal

AluminumNow Group is pleased to work with Titan Salvage as a member, the first major wreck removal was completed in 1990, with the successful moving of a 3,900-ton Ro/Ro Ferry grounded at Mona Island, Puerto Rico. As is the case with most major wreck removals, this job was fraught with environmental, political and technical challenges. While many critics saw this as an impossible undertaking, the company saw it as an opportunity to succeed by implementing new techniques and philosophies.

With some of the largest and most complicated wreck removal projects ever undertaken the company is in a position to assist in all and any salvage or wreck removals required utilizing our global network of specialists, and cutting-edge technologies that gives us the ability to undertake any wreck removal operation imaginable.

Today, with the increasing demand for removing oil and other pollutants from wrecks, we remain on the cutting edge of new technology; we have performed unprecedented operations for multi-national governments, ship owners and underwriters around the world, that would have been deemed impossible only a few years ago.



Petroleum Marine Service Co. (PMS) (Marine Operators and Management for AluminumNow Ltd.. for Kuwait)

PMS has been holding a unique place in the Egyptian Marine & Offshore map since 1980, being a major offshore / marine service provider to the Egyptian Oil & Gas operators. PMS has a mission to enhance its premier position in providing safe, competent, and quality services to the local and regional offshore oil and gas industry with the main activities of construction, maintenance, and services.



UK Associated Shipyards & Naval Architects



Including Southampton Marine Services, Burgess Marine & Keel Marine

Associated Turkish Shipyards

We are proud to have association and knowledge of top Turkish Shipyards and Shipyard management over 20 years, including Ustaoglu, Yanki Marine, and Duzgit Shipyards

Ustaoglu Shipyard



Our choice for building Tugs and larger aluminium construction is with our associated ship on the Black Sea quite near to Istanbul, Ustaoglu is a modern shipyard where a maximum of 50,000DWT ships may be built. Experience includes, MMP ships, Ferries, Tugs, Mega Yachts etc. Existing since 1968, **experienced, with continuous development and bank guarantees.**





Shipyard has five (5) slipways;
 Slipway 1-2 (Airbag Launch) L 165m X W 16 m
 Slipway 3 (Classic Launch) L 185m X W 38 m
 Slipway 4 (Airbag Launch) L 185m X W 17 m
 Slipway 5 (Airbag Launch) L 185m X W 36 m
 Annual steel processing capacity is 15,000 Tons
 Shipyard area is 120 000 m²
 Enclosed construction off our work area 11,225m²
 Closed shotblasting & CNC cutting & press and bending area 5625 m²
 Yacht Construction area 600 m²
 Yacht Construction tent 600 m²
 250 ton, 60 ton, 25 ton, 2 X 3 ton mobile cranes
 Gantry cranes- closed area 6x 15 mt - 6 x 30 mt
 Gantry cranes- open area 1-2-3 2 X 40mt - 2 X 80 mt - 2 X 40mt
 25 ton & 3 ton forklifts
 450 ton press
 Effective CNC cutting breadth 1-2 - 4 m. – 8.5 m
 Effective CNC cutting length 1- 2 - 12 m. - 24.0 m
 Mild Stl. Cutting thickness 1-2 - 40 mm. (plazma)



Builds are available in Steel & Aluminum.



CNC cutting on site - Enclosed build facilities





Aluminium Construction - Outdoor construction for larger vessels



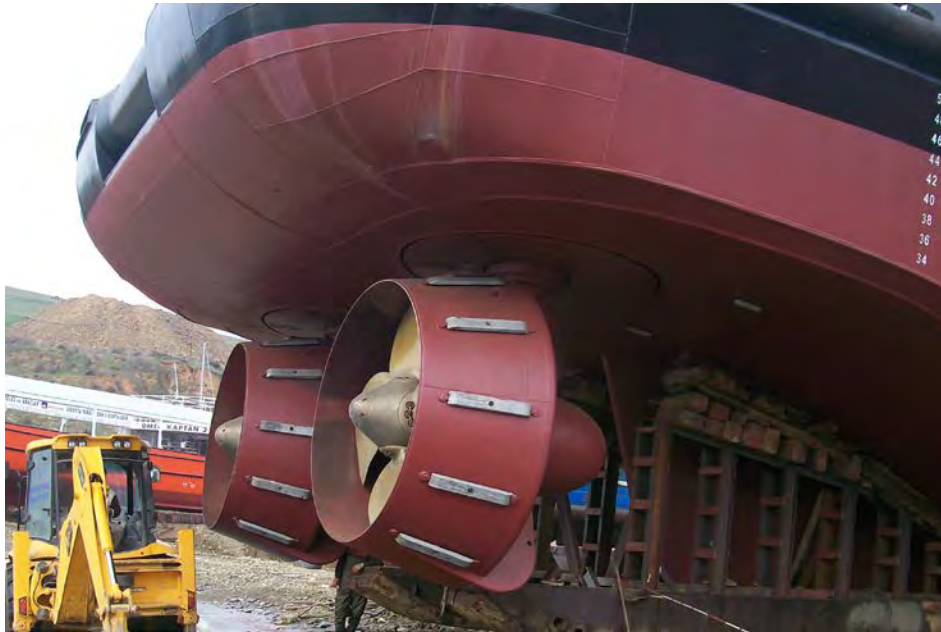
Fast Aluminium Passenger Ferries



Tugs



Tugs



ASD Tugs



Yanki Marine Shipbuilders & Consultants

SHIP BUILDING, SHIPYARD, REPAIR YARD AND DOCKING FACILITIES CONSTRUCTION
 CONSULTANCY & ENGINEERING & CONTRACT MANAGEMENT
 SUPERVISION & COMMISSIONING SERVICES
 PROJECT & DESIGN SERVICES
 CONTRACTOR SERVICES
 MANAGEMENT SERVICES
 PROCUREMENT SERVICES
 MARKETING SERVICES
 SHIP CONVERSION
 SHIP REPAIR & MAINTENANCE
 MACHINERY & EQUIPMENT INDUSTRY ACTIVITIES
 TECHNICAL FACILITIES DEVELOPMENT & COMPLETION SERVICES
 TRAINING SERVICES FOR ENGINEERING & DESIGN SUPERVISION & COMMISSIONING



Work Projects

➤ Ship Steel Construction

- New building
- Repair
- Inspection of the hull & machinery
- Supervising
- Stainless Steel Tanks etc

➤ Yacht

- Aluminium
- Steel
- Composite
- Cold Moulding
- GRP
 - 1) New Building
 - 2) Refit
 - 3) Repair
 - 4) Conversion

➤ Work Boat

- Aluminium
- Steel
- Composite
- Cold Moulding
- GRP
 - 1) Pilot Boats
 - 2) Tug & AHTS
 - 3) Mooring Boat
 - 4) Fishing Vessels
 - 5) Sea Cleaning Vessels
 - 6) Patrol Boats
 - 7) Ferries
 - 8) Dredgers
 - 9) Offshore Vessels
 - 10) Pontoons & Barges
 - 11) Other Special Vessels
 - New building
 - Repair



Duzgit Shipyard(Our main shipyard partner for shipyard development in Nigeria.)

In 2008 Düzgit invested in a new shipyard in the recently rising shipbuilding district of Turkey, i.e. Yalova, 20kms Southeast of Tuzla. Builds to 57,000DWT.



Shipyard



Eight of the above patrol boats build for Middle East Client

Build Samples



Patrol Boats for Turkey



Chemical Tankers



Choose the design and drive system which suits your requirements



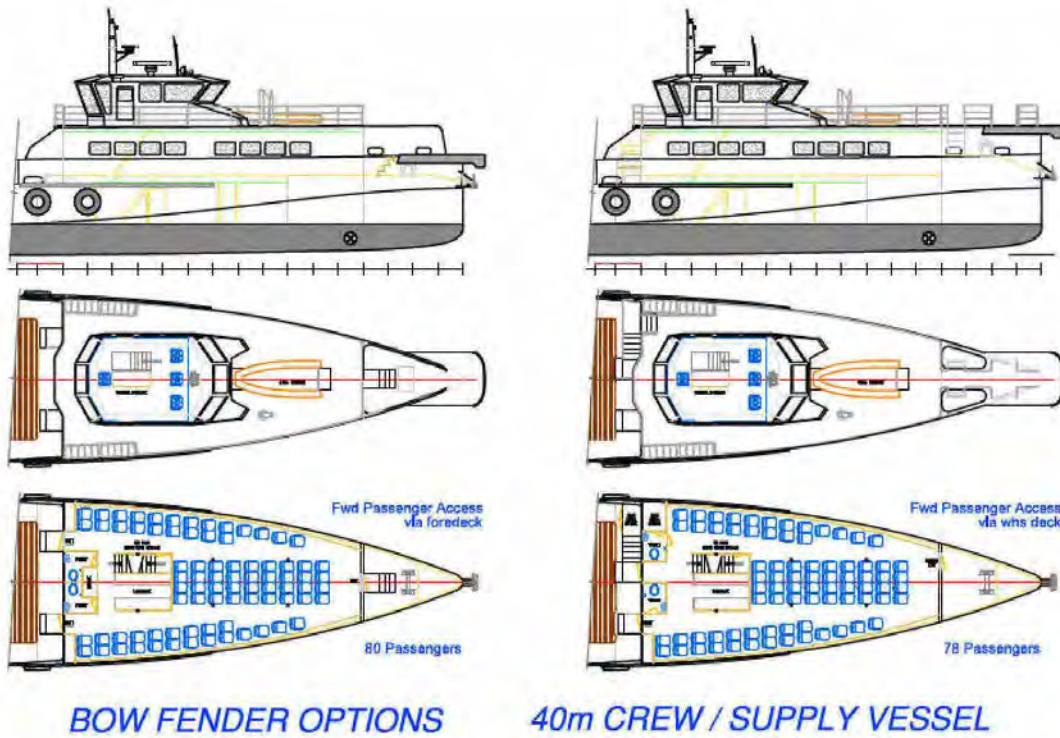
- ✚ Full Training Programs available in Construction and Operation
- ✚ Full Kits available for construction in client's country
- ✚ Full support available for construction and maintenance as required
- ✚ Pilot Boats, Patrol Boats etc. built in conjunction with Yanki Marine
- ✚ Cargo Vessels to 57,000DWT built in conjunction with the Duzgit Group. Plus Crew, Fast & Medium Patrol Boats etc.
- ✚ Tugs, AHTS, Tankers, Cargo, Ferries and Mega Yachts in conjunction with Ustaoglu Shipyard.
- ✚ Ferries & Mega Yachts, Composite Construction in conjunction with AFS Marine.
- ✚ Designs Facilities provided by AluminumNow Ltd..
- ✚ All Builds overseen by AluminumNow Turkey in Turkey or AluminumNow Ltd. outside of Turkey.
- ✚ Ballistic protection consultation and implementation.
- ✚ Electronic navigation and communication equipment.
- ✚ Navigation aids and buoys for harbors and waterways.



Fast Inshore/Offshore Patrol Boat



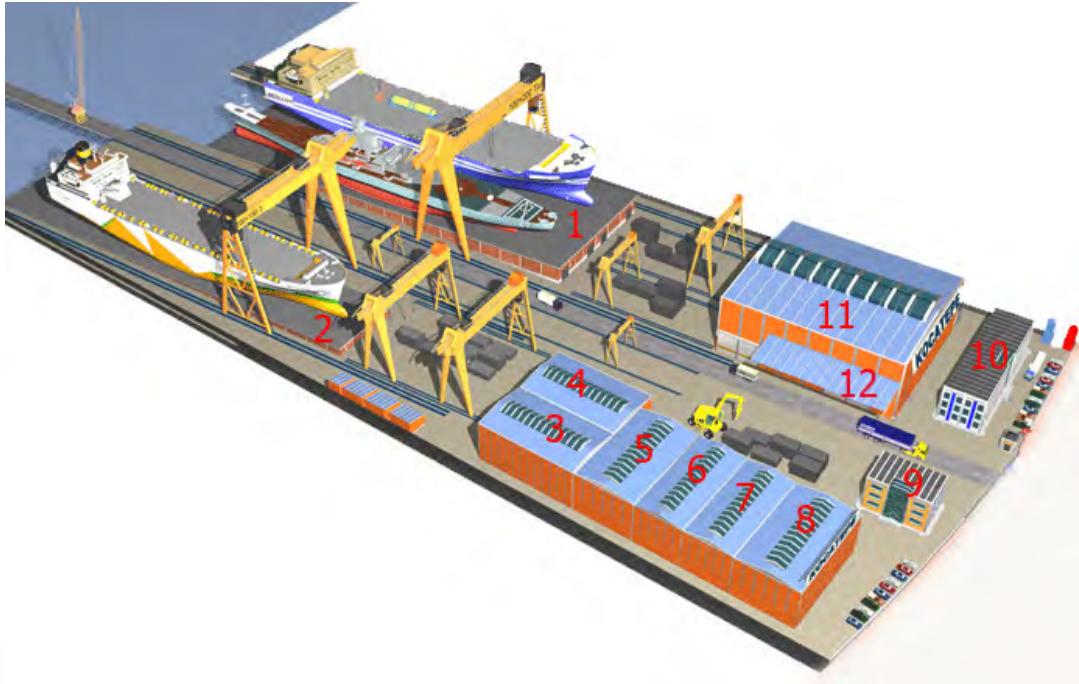
Crew Boats



Pilot or Patrol Version

Nigeria / AluminumNow Shipyard Protocol

Vision to develop a world class shipyard in Nigeria in excess of 60,000DWT in stages with stage (1) below.



- #1 Slip Way
- #2 Slip Way
- #3 Paint Hall
- #4 Outfitting Workshop
- #5 Electrical Workshop
- #6 Closed Stock Yard
- #7 Pipe works Workshop
- #8 Sheet Metal Forming
- #9 Administrative Building
- #10 Social Building
- #11 Block Assembly Hall
- #12 Forming Warehouse



Shipyard front view

SAMPLE OF PROJECTS



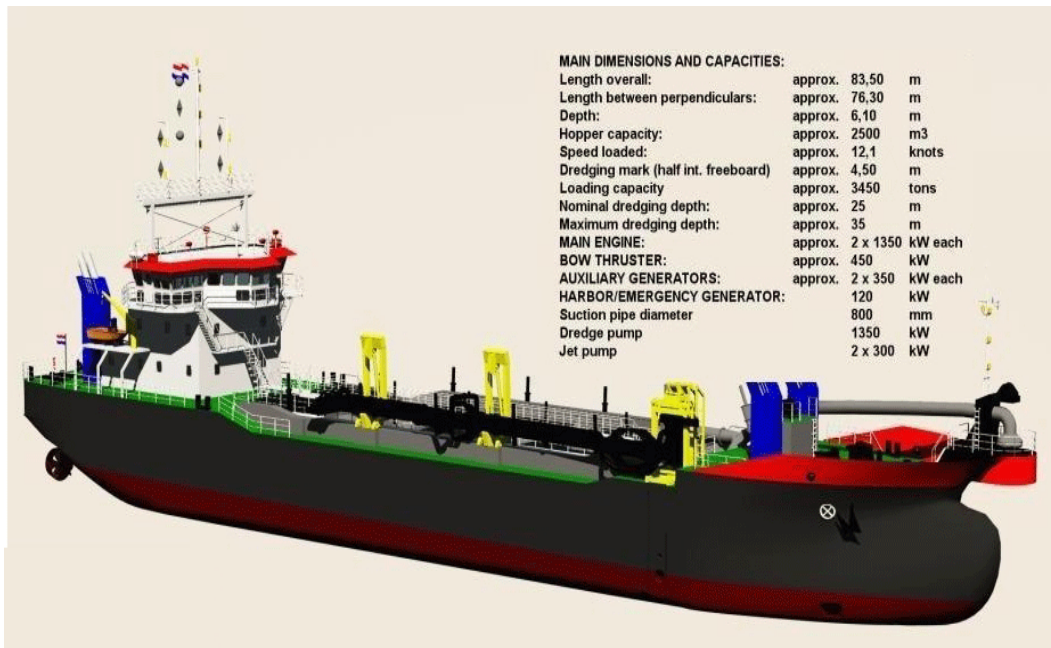
Addendum

Agencies for West Africa include at this time:-

- SeaFury Surface Drives
- Hovercraft and Hoverflight Designs
- Patrol boat designs from associated naval architects
- Ferry Designs from Sea Speed Australia & Kurt Hughes, USA
- Offshore Service Vessels from associated naval architects
- Tug designs from Jensen Maritime, MacDuff Ship Design, Voith, Robert Allan
- Medium Speed Ferry, Cargo and SLV from Sea Transport of Australia.
- Auxiliary Generators
- EngTek Manoeuvra Systems (Including electric drives systems)



Larger builds would include Tugs, AHTS, PSV, Tankers, Cargo even dredgers



Dredgers & Tankers





Crew Boats

NEW CONSTRUCTION AHTS/PSV ETC.



Nigerian Shipbuilding Management Team
Organized by AluminumNow Group includes certified and training
personnel from Turkey, Egypt and Great Britain

Providing expertise in all types of ship construction including:-



Aluminum Catamaran Production

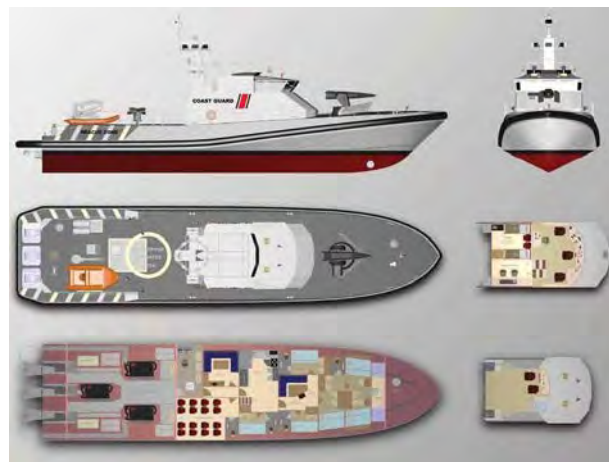


Work Boats



Tugs

Patrol Boats



AluminumNow Africa's available services for West Africa and to the oil and gas industry

- **Ship and Charter Brokerage.**
- **Transport:**
Used, excess to requirements and new construction vessels such as tankers, oil and utility barges, tug boats and anchor handling vessels of all varieties, supply Boats, offshore Vessels, pilot boats, patrol boats, crew boats, rig tenders, hovercraft, as well as service and repair.
- **Production:**
Sourcing Oil rigs, new and used refineries that are refurbished to as new condition and come with warranties and guarantees. We can also arrange shipping, site preparation and foundation work as well as the staff and startup for these refineries
- **Supply:**
D2 diesel, aviation fuel, petrol and associated products
- **Services:**
Fleet management, daily implementation, spares, service & supply, port control and management, security implementation and systems
- **Electrical Generating Systems** including Solar & Wind Generation.
- **Alternate Fuel Systems and Power Units** such as LNG
- **Personnel:** Officer, crew training, and supply as well as management personnel
- **Ballistic** protection, consultation and implementation.
- **Pollution Control and Recovery**
- **Wreck Removal**

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