Aril Technologies Limited is an Engineering, Technology and Procurement company incorporated under the laws of the Federal Republic of Nigeria, with registration no. RC 976752. Functional branches are in Lagos and Port Harcourt Nigeria. The company is in the process of partnering with several leading international companies in USA, UK and some parts of Europe. Our partners in view are world class companies with impeccable records. This will indubitably give us smooth ride into the height of excellence that we pursue.

ARIL Technologies Limited benefit from the plethora of hands-on experience garnered by the founders during their past years of industrial services, having many excellently delivered projects to their credits, it is certain that ARIL Technologies Limited cannot but give the best of services. We have served a few numbers of Companies satisfactorily while we are in the process of serving a wider range of companies from different industrial sectors. We had since, and will continue to provide solutions tailored to each individual customer’s needs.

ARIL Technologies Limited is dedicated to service delivery towards improving industrial process, efficiency and optimizing business opportunities through technology. We have keen interest in applying innovative technologies in solving technical challenges faced by our clients in their various industries.

ARIL is duly registered with government regulatory agencies including DPR, NERC, Nipex, NIPP, etc and have no restrictions serving our clients in all areas of expertise.

**OUR MISSION**

Our mission is to become the most preferred Power, Energy and Oil & Gas Service Company in Africa, delivering a wide range of services that meets highest international standards and satisfying our customers’ needs by constantly helping them improve their productivities.

**OUR VISION**

We will be our clients’ best partner, providing world class, high end technical and consultancy services to Africa’s Power, Energy and Oil and Gas Industries and to the world at large through the application of ultra-modern technology and constant training of personnel, concentration on our people's welfare and by facilitating and maintaining a strong drive for excellence, we will keeps a strong focus on industry trends and continue to provide most innovative and up-to-date solutions that will keep increasing our clients' productivities, as we remain their best choice.
ARIL Technologies Limited can summarily be described as a Specialized Engineering Solution Services Provider, Electrical & Instrumentation Contractor, Systems Integrator/Process Control & Automation Contractor, Power Engineering Service Provider, safety and Security Service Provider, Telecommunication Service Provider, Cathodic protection service provider, Project Managers, Engineering Consultants and Industrial Products Supplier.

What We Can Do For You: Our services

Our Core Domain:
- Instrumentation & Electrical
- Process Control & Automation
- Meter Proving, & Custody Transfer
- Safety & Security Systems
- Power Engineering Systems
- Cathodic Protection
- Telecommunications
- Industrial Equipment, Vessel and Rig Brokerage

Our Capabilities Include:
- Turnkey Instrumentation & Electrical Solutions
- Metering Skids, L.A.C.T Unit & Valves Installation Services
- Calibration and Certification of PSVs and other Valves
- Calibration & Certification of Temperature, Pressure & other Types of Gauges, Transmitters & Recorders
- PLC/SCADA/HMI Applications
- Smart Well Solutions
- Plant Preventive and Routine Maintenance Services
- Cathodic Protection Design Services
- Inspection, Installation, Construction & Turnkey Cathodic Protection System Solutions
- Personnel Training and Manpower Supply
- Panel Building – UL508, LV Panels, Metering Panels etc
- Substation Automation
- Distribution Management Systems
- Installation and Commissioning of HV Overhead Line
- Building Management Systems
- Access Control, Video Surveillance, Time & Attendance Systems & Perimeter Protection
- Fire & Gas Detection, Control and Suppression Systems
- Telecommunication Solutions
- Engineering Design, Engineering Procurement and Project Management Services
- Protective Relay Calibration

Industry Focus Areas
- Upstream Production facilities: Offshore, Onshore, Swamp
- Midstream & pipelines – LPGs, Gas Plants, LNGs, CNGs, Flowstations etc
- Downstream Oil Sector – Storage Tank farms, Refineries, Oil Terminals, Petrochemical Plants, etc.
- Power Sector - Generation, Transmission and Distribution
- FCMG – Breweries, Food Processing, Manufacturing etc.
INSTRUMENTATION CAPABILITIES

Our Instrumentation & Control Services Group has the tools and expertise needed to deliver your E&I project on time and within budget. We can provide you solutions in the following areas:

**INSTRUMENT CALIBRATION SERVICES**

We offer calibration and re-certification services for hydraulic, pneumatic and electronic field instrument devices. Our calibration services are carried out in accordance with ISA and NIST five point check calibration procedures which are in conformance with ISO 17025, API and ASME standards on calibration services.

**INSTRUMENT METERING L.A.C.T UNIT SERVICES**

Our team of Metering and L.A.C.T unit experts in conjunction with our Manufacturer partners will provide and support plant metering skid solutions. Solutions include E&I support services on metering system assemblies, Calibration of clients’ bi-directional or uni-directional prover loops using our master meter, prover tank, pulse counter and reservoir tank, metering system operation routine maintenance check and provision of man power services for dynamic loading/custody transfer.

The metering system assembly we install consists of the following sub-skid:

- Skid prover loop, detector switches, ultrasonic flow meters, PD flow meters, turbine flow meters, coriolies flow meters, smart transmitters, pressure gauge, RTD, temperature gauge, MOV, manual valve, gas chromatography, dew point analyzer, auto sampler, skid control console (ICSS) which consist of flow computer, PLC, SCADA HMI etc.
- We also supply metering system assemblies and parts for terminal depot at a reasonable cost and within customer’s budget.

**INSTRUMENT WELL HEAD HOOKUP SERVICES**

With our experienced engineers, we provide hook up, pre-commissioning and commissioning of well head ESD and fusible Loop instrumentation, loop test and trip test for well head instrumentation, and instrument hookup services for well head pneumatic control systems as part of well head Control Panel (WHCP).
ARIL TECHNOLOGIES LIMITED have the capability, well equipped staff and right knowledge in selecting OEMs for Fire and Fire plus Gas safety projects. We supply parts, Install and commission the most suitable fire alarms system as per projects, by selecting the right sensors/detectors (flame, smoke, heat, combined, gas), Fire Alarm Control panel, Call Points/Pull Stations and a wide range of SUPPRESSION SYSTEMS. Our engineer are expedient in installation, commissioning and maintenance of products from prime OEMs like General Monitor, Simplex, Autronica, System Sensors, Honeywell and many more. We are capable of installing fire SCADA systems, networking several fire alarms panel in a wide facility and viewing of events/taking control actions on computer interfaces, we interface your system with fire fighters' facilities if required.

Our team Install gas detection and control systems with project specific considerations, we install several gases detector depending on clients' interest and also select best products for Hazardous areas. We install gas systems that do not only alarm on gas detection but are also capable of taking certain control actions such as gas flow shut-off or total shut down of an entire process. Our engineers are experienced in installing and servicing products from top OEMs such as BW by Honeywell, General Monitor, System Sensor, RKI and many more.

We supply parts, install and maintain Access Control Systems, CCTV Surveillance System, Intrusion Detection & Control System, perimeter/electric fencing, Time and Attendance System and many more.

OTHERS are Building Management Systems and Complete Remote Monitoring of Facilities.

All of our designs are compliant with most international standards including the NFPA.
INDUSTRIAL AUTOMATION & CONTROL

SCADA & Systems integration

We provide turnkey automation systems
We supply, install, commission and support DCS, PLC Systems, SCADA Systems, RTU Systems, HMI Systems.
We also provide remote asset monitoring system.
We design solutions using ‘vendor-neutral’ industry standards such as OPC, FF, Modbus, IEC61850 etc.
We provide stand alone SCADA system as well as integrated solutions.
We also provide complete Integrated Control & Safety Systems (ICSS) solution, that includes PCS units, SIS units, and Fire & Gas Control Units.

Real Time System

We fully understand the criticality of plant data and we can help implement real time monitoring and control solution such as Depot Automation System, Terminal Automation System, Leak Detection System, Pipeline Monitoring Systems etc.

Software & Historian

We offer bespoke software developments for OEMs
We also install and support Historian Systems and database solution (PI, ASPEN, PHD, INTOOLS etc).
We also provide plant production optimization solutions.
ARIL TECHNOLOGIES LIMITED has the capability of the following: Building and retrofitting power protection and control systems, Supplying MCCs, protection Relays, Circuit Breakers, Voltage Transformers etc.

Critical Power and Lighting

We provide power solutions for infrastructures. We supply and maintain power back up systems (UPS, Inverters), DC Systems, Earthing Systems, Industrial Lighting Systems (including CAP437 Client Aviation and Marine Lighting), Well head Power Solutions.

Alternative/Renewable Energy Solutions


We are currently in the process of representing top Wind Turbine Builders ‘SUZLON’ in West Africa.

Electrical Network Modeling & Analysis

Electrical power system studies by using ETAP, SKM or Coopers for load flow, short circuit, motor starting dynamics, and protective device coordination, the essence of this studies is to ascertain and verify the accuracy of all electrical engineering design for your plant.

Power Transmission Design

Construction, installation and Commissioning

Our team of engineer can help you design, procure, construct install and commission Power transmission HVIMV/LV Substations and systems such as oil immersed type 13/0.4KV & 3150MVA transformers, 120KV, 10KVA substation surge arresters, 120KV & 10KA traps, 132/0.1KV HV voltage transformer MCC panel, LV Panel, etc.
Cathodic Protection Services

Aril Technologies have the capability to provide full design services, equipments and materials for your CP application. We apply recognized international standards in Designing and installing cathodic protection systems, our deliverables include field surveys, engineering designs, material specifications, equipment and materials, installation, construction inspection and system commissioning.

**Cathodic Protection Phases**

- Field Surveys
- System Specifications and Designs
- Plans and Detailed Drawings
- Implementation
- Commissioning

**Interference Control Systems**

- Bond Stations
- Auxiliary Drainage Systems
- AC Interference Mitigation
- DC Interference Mitigation
- Fault Current Protection

**Impressed Current Cathodic Protection (ICCP)**

Our team carry out ICCP installations for Larger Structures where protective current requirement and life requirement is high which Galvanic Anode is not recommended to be used. We also install the numbers of anode determined in the design with the CP Rectifier, which converts the AC power supply to DC output. We also install solar panel, wind power or gas powered thermoelectric generator as alternative power source in the absence of an AC supply. ICCP is well suited to and applicable to pipeline, Tank farms, steel pile foundation.

**System Materials and Construction**

- Conventional Groundbeds
- Deep Anode Groundbeds
- Distributed Anode Systems
- Cathodic Protection Test Stations

**Power Supplies**

- Transformer – Rectifiers
- Solar Power Systems
- Thermoelectric Generators

**Sacrificial Anode (Galvanic Anode)**

Our team Install Galvanic Anode with project specific considerations, we install galvanic anode depending on clients’ design and also if it’s recommended according to the survey and soil test.

[www.ariltechnologies.com](http://www.ariltechnologies.com)
Aril Technologies have Engineers, and Rigger With Cognate Experience In VSAT and Optic Fibre Links Installation and Turnkey Capability to Provide Full Standard Leased Communication Services via SCPC VSAT and Optic Fibre With Varying Bandwidth Options As Required For Data, Voice, micro-wave Links and MPLS Lines and Internet Connectivity With Suitable Bandwidth Mile Connections. Our Team of experts can integrate redundancy and path diversity in SCPC VSAT and Optic Fibre link design for ODU and IDU which conforms to G.826 standard. Our personnel are competent in modems, servers, other equipments and software installation and configuration.

TELECOMMUNICATIONS SERVICES:
Installation & Commissioning of Digital Cross Connect (DXX, DWDM, MSC Sites, TELABS 6300, 8500 Series
Transmission, Planning, Installation & Maintenance of Radio Microwaves
Transmission Implementation (Microwave and Muxes)
Networking, Routing and switching services
Remote Fiber Test Systems (RFTS)
Installation of Optical Fibers & Intershelters
Building of Cell Sites & Erection of Telecommunication Towers
Distributors to OEMs of Telecommunication Equipments
Mobile and Fixed wireless communication services
Telecommunication training and consultancy services.
Bandwith Monitor Systems
System design encompassing transmission infrastructure, channel routing and multiplexing, Wide Area networking, remote premises access.
A RIL Technologies limited have achieved so much in the industrial equipment, vessels and rig brokerage sector of the Oil and Gas service industry. We had since applied the similar excellence drive that had given us a name in the other sectors of Oil & Gas Services. In our short period of presence in this sector, we have been able to closeout several deals with the big players in the Nigerian Oil & Gas industry, acting Local and thinking Global.

Our expertise in facilitating workable agreements between equipment owners and clients had been applauded on several occasions, we even go further to ensure excellent relationship between clients and equipment owners all through a charter period, either short spot or longer term requirements. In doing this, we have built excellent relationships by ensuring our clients and equipment owners do not run at losses and best services are delivered to our clients.

Our team of brokers are experienced, and have worked with top brokers in the past. They constantly monitor markets worldwide and feed this information to our clients to ensure that they are fully aware of market conditions, and when to make key decisions in the equipment, vessel and rig procurement or charter process.

Our support is not simply limited to market intelligence. We remain involved in a charter from start to finish, negotiating pricing, drawing up contracts and monitoring the performances of each unit throughout the charter period, ensuring that all parties to the agreement remain comfortable all through the duration of the contract.
OUR DEDICATION

· To continually provide high quality products and services for our clients to help them maximize production capacities.

· To adhere strictly to HSE regulations and to constantly upgrade quality assessment measures to confirm with ever-improving ISO Standards.

· To help present a great window for knowledge transfer between Africa and the Western World by constantly seeking to embrace, master and apply newest technology.

· To contribute to the overall annual GDP of the Nation/Continent and providing job opportunities.

OUR PARTNER

Basler Electric

pulsar

Movicon

progea

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TECHNOLOGY FOR INDUSTRIAL PRODUCTIVITY!