



*The Spirit of Endeavour*



**Project Engineering & Management**

# EPIC ATLANTIC LIMITED

## Project Engineering & Management



In *The Spirit of Endeavour* we persevere through challenges and deliver services with commitment, professionalism, consistency and steadiness of purpose.

CEO

### History

Epic Atlantic Limited is an indigenous multi-disciplinary engineering and technology company formed with a passion for technical and operational excellence for the oil and gas industry.

The main thrust is to deliver world class engineering and technical /operational services, with professionalism and commitment to the West African Region.

Following this mission is the aspiration to develop the company's human resources and grow in-country expertise to a competitive competence level, hence furthering standards and best practices that will sustain quality delivery.

### Business Areas

- Engineering and Technical Services
- Projects Management and Inspection Services
- Virtual Construction
- Operations and Maintenance Services
- Global Fluid Handling Solutions

### ▶ EPIC ATLANTIC PROFILE

- Vision
- Mission
- History
- Business Area.
- Services Covered.
- Management Framework.
- Scope of Services.
- Office Facilities.
- Capabilities and Experience.

### Vision

To be the oil & gas engineering company of choice in the West African Region, articulating local content, environmental peculiarities, and other contemporary solutions.

### Mission

To deliver projects to customer specification - fit for purpose, on schedule and to the right quality, HSE standards, and cost effectiveness.



#### ► Scope of Services

- Appraisal Studies and Development Planning
- Design and Engineering
- Project Management and Support Services
- Operations and Maintenance
- HSE and Quality Management



#### Services Covered

- Appraisal Studies and Development Planning.
- Design and Engineering.
- Project / Construction Management and Inspection Services.
- HSE and Quality Management.
- Operations and Maintenance.
- Vendor Representation of Colfax Corporation on Centrifugal, Screw and Gear Pumps – Allweiler, Houttuin, Imo and Warren.

#### Management Frameworks

These are in place for key operational elements that impact on performance, notably:

- Business Principles and Ethics.
- Quality Management.
- HSE and Quality Management.
- Community Affairs, Safety, Health, Environment and Security.
- Nigerian Content.

#### Manpower Resource

Epic Atlantic has regular staff engineers of various disciplines as well as resource staff on call-out. Additional engineers are brought in when necessary. The company is highly committed to the competency development of its staff, via:

- On-the-Job Training
- Short-term Courses and Seminars
- Assignment with Technical Partners when the opportunity arises.

## Scope of Services

### Appraisal Studies and Development Planning

- Feasibility and Conceptual Studies.
- Project Economics and Investment Evaluation.
- Environmental Economics and Policy Analysis.
- Field Development Advisory Service

### Design & Engineering

- Conceptual Design and Project Specification.
- FEED (Front End Engineering Design).
- Detail Design.

### Project Management & Support Services

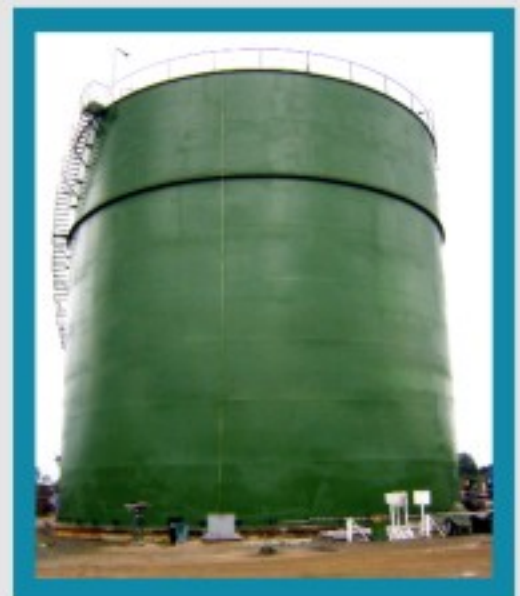
- Follow-on Engineering.
- CASHES and Quality Management.
- Project Planning and Interface Management.
- Procurement and Logistics Assistance.
- Work Dossiers: Procedures and Methods, JHAs, ITPs, etc.
- Construction Management.
- Site Quality Control and Inspection.
- Materials Tracking and Reconciliation.
- Progress Tracking and Reporting (Works, Schedule, Budget, etc).
- Pre-Commissioning and Commissioning Assistance.
- As-Built Survey and Documentation.
- Manpower Supply.

### Operations and Maintenance

- Condition Monitoring for Asset Management (Pipelines, Rotating / Static Equipment).
- Facilities Operations and Maintenance.
- Facilities Modifications and Upgrade.
- Minor Fabrication and Construction / Installation Works.
- CP and Corrosion Services.
- Blasting and Painting.

### HSE and Quality Management

- Layout / Simplicity Review.
- Design Integrity Verification.
- Quantitative Risk Assessments / Risk Management.
- Hazard Analysis and Operability Studies.
- Fire PRAN / SAFOP.
- Human Machine (Ergonomics).
- ISO Certification Assistance.
- Equipment Certification.
- Environmental Engineering and Waste Management Services.
- Project Specific Issues Relating to Health.





### Office Facilities

The company facilities include a base office and two satellite offices in Port Harcourt, and two liaison offices (Warri and Lagos), complete with workstations, engineering and project management software, library of codes and standards, electronic data bank, and internet / intranet facilities.

Also available are workshops in SOWSCO, Alcon, and EES yards, earmarked for minor fabrication works, and pump maintenance and repairs. Upgrade of existing office space and facilities will be made as activities level dictates.

### Capability and Experience

Epic Atlantic is well established with intellectual property - a team of experienced staff, and support of overseas and Nigerian technical partners – enriching corporate experience.

These staff have lived and worked extensively in the oil producing areas of Nigeria and are quite familiar with work processes of the operating companies, the logistics and operational challenges in the region.

Typical examples of project experience resident in Epic Atlantic Limited and the Technical Partners are:

### Green and Brown Fields

#### Development Projects:

Conceptual Studies and Functional Specifications, Front-End Engineering Design, Detailed Design and Engineering, HAZOP Studies, Procurement Assistance, Project Management and Inspection Services, Construction Supervision, and Commissioning Assistance.

**Key examples:** Santa Barbara MPF, Nembe Creek AGG, Mini Nta Satellite, Idu, Anieze and Uquo Marginal Fields.

#### Offshore Platforms and FPSO:

Conceptual / Detail Design and Project Management Services.

**Key examples:** SPDC KC, K-Block, H-Block

#### Gas Plant (NAG) Projects:

Front-End Engineering, Conceptual / Detail Design, Virtual Construction, Project Management Services, and Commissioning Assistance.

**Key examples:** Bonny NAG Gas Plant, Afam Gas Receiving Facilities and Okoloma Gas Plant.

#### Crude Storage Tanks:

Front-End Engineering, Conceptual / Detail Design, Virtual Construction, Project Management Services.

**Key example:** Condensate Storage Tanks for SPDC Okoloma Gas Plant.

#### Gas Gathering and Processing Facilities:

Front-End Engineering, Conceptual / Detail Design, Project Management Services and Commissioning Assistance.

**Key examples:** SPDC Soku Gas Plant, Alakiri and Obigbo North; EPNL Obagi / Ibewa.

#### Facilities Modification Projects:

Operational, Safety, and Environmental

Upgrades Design / Services in respect of Wellhead Piping, Pipeline Network, Flow stations, Compressor Stations, Chemical Injection and Fuel Gas Systems, Separator Skids and Platforms' Inter-Connecting Walkway Bridges

**Key examples:** Awoba and Ekulama Field Facilities and Flowstations.

#### **Field Facilities Installations:**

Fabrication and Field Installation Works of Flowstations, Pipelines, Compressor Stations, Tank Farms, Aviation Fuel Storage and Dispensing Systems, Manifolds and Infrastructures.

**Key examples:** Bonny Terminal, Aero Contractor Fueling Facilities.

#### **Project Quality & Construction Management Services:**

Project Plans, Follow-on Engineering, Work Dossiers, HEMP, ITP, Materials Control, Progress Tracking and Reporting and Documentation.

**Key examples:** Odidi NAG, Bonny NAG, Afam GRF, Gbaran-Ubie FLB, Okoloma Gas Plant.

#### **Supply Chain Management of Pumps & Process Equipment & Accessories**

**Key examples:** Technical Partner's Portfolio of Pumps and Accessories, Supply Chain Management of Pumps and Accessories for Refinery and Petrochemical Projects.

#### **Power Generation:**

Installation and Maintenance programme on Solar, Turbogenerators, Electrical and Mechanical Equipment.

#### **By-Products Management:**

Environmental Economics and Policy Analysis and Strategy Formulation for Produced Water Handling.



- ▶ **Vendor Representation**  
Epic Atlantic represents Colfax Corporation /Allweiler AG on Deployment of Pumps and Related Accessories - covering systems design, products sale and delivery, installation, maintenance, repairs and spares.

- ▶ **Pumps Include**
  - Centrifugal, Eccentric Screw and 3-Screw Pumps
  - 2-Screw Pumps
  - 3-Screw and Internal Gear Pumps
  - 2-Screw Pumps



## Quality Management

### Business Principles and Ethics

The company's Statement of General Business Principles and Ethics outlines core values, and the principles and ethics to be followed by staff in the conduct of the company's business.

The essence is to achieve company's objectives in performance and responsibility to stakeholders.

## Quality Management

The company's Quality Management System is well structured and built around the ISO 9000 model – comprising: Management Framework, Process Management and Quality Assurance steps.

The company is currently pursuing a programme for its ISO certification.

## Community Affairs, Safety, Health, Environment, and Security (CASHES)

The company's CASHES Management System is built around leadership and commitment.

The management framework addresses policies, standards and procedures to be followed, as well as the application of the Hazard and Effect Management Process (HEMP) tool and Job Hazard Analysis (JHA) register to effectively manage CASHES in the business.

## Nigerian Content

As an indigenous company, Epic Atlantic Limited readily offers the platform to contribute to the Nigeria's local-content progress milestone - through the projects we execute, either on our own or in consortium with technical partners.

The company is committed to the pursuit of in-country engineering and project management capability, embracing cross discipline relationships with other companies - foreign and indigenous.





*The Spirit of Endeavour*

#### **Base Office**

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SOWSCO Yard, Ordinance Road,  
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[consultants@epicatlantic.net](mailto:consultants@epicatlantic.net)

Website: [www.epicatlantic.com](http://www.epicatlantic.com)

#### **Technical Partners / Relations**

<b>Colfax / Allweiler AG</b>	<b>IMPac Oil &amp; Gas Engineering Ltd.</b>
Allweilerstrasse 1	No. 74, King Perekule Rd,
Radolfzell	G. R. A. Phase 2,
Germany.	Port Harcourt, Nigeria.