

I N T E G R I T Y • R E L I A B I L I T Y • C O N F I D E N C E

Facility Integrity & Reliability

Management Services

SECTOR

Oil & Gas • Energy

OPERATIONS

Nigeria • Gulf of Guinea

ISSUED

2026

DOC • FIRM-CP-001

Asset integrity is the cornerstone of energy operations.

In the complex realm of energy operations, maintaining asset integrity goes beyond technical necessity. It is the foundation of operational excellence, safety, and uninterrupted business performance.

OUR COMMITMENT

To serve as a reliable partner for energy operators worldwide — delivering comprehensive asset integrity solutions that support safe, dependable, and profitable operations.

- ◆ Protecting vital oil & gas infrastructure
- ◆ Guaranteeing integrity across the full asset lifecycle
- ◆ Fostering a culture of proactive risk mitigation
- ◆ Safeguarding people, environment, and asset efficiency

The foundation of excellence.

Three principles, lived out in every engagement.

PILLAR 01

Integrity

The cornerstone of trust

Technical, professional, and ethical integrity — rigorous scientific methodology, honest unbiased recommendations, unwavering safety commitment.

- ◆ Certified inspectors & chartered engineers
- ◆ API 580/581, ISO 55000, NORSOK Z-008
- ◆ Independent, vendor-neutral advice
- ◆ No compromise on safety

PILLAR 02

Reliability

Delivering on our promises

Service, asset, and data reliability — backed by risk-based inspection, predictive maintenance, and rigorous quality assurance.

- ◆ 98%+ on-time delivery
- ◆ 24/7 emergency support
- ◆ 25–36% downtime reduction
- ◆ Industry-leading uptime

PILLAR 03

Confidence

Empowering informed decisions

Technical, regulatory, and business confidence — multidisciplinary expertise, former regulators on staff, clear ROI projections.

- ◆ Multidisciplinary expert teams
- ◆ Former regulators on staff
- ◆ Clear cost-benefit analysis
- ◆ Proven ROI delivery

Comprehensive asset integrity for the global energy sector.

- ◆ Integrity management for energy and process industries
- ◆ Topside and underwater inspection using RBI methodology
- ◆ Digital solutions and predictive analytics

We combine engineering excellence with proven methodologies to extend asset life, enhance safety, and deliver measurable returns.

CORE VALUES

01

Technical Excellence

Certified professionals, rigorous standards.

02

Client Partnership

Collaborative engagement, flexible service.

03

Safety First

Personnel and operational safety, always.

04

Data-Driven

Advanced analytics, predictive maintenance.

05

Regulatory Expertise

Multi-jurisdictional compliance capability.

06

Innovation

Emerging tech adoption, R&D partnerships.

Our service portfolio.

Six integrated practice areas spanning the full integrity lifecycle.

01

Topside Integrity Management

Inspection, corrosion management, and structural integrity for production facilities.

NDT • RBI • FFS • PRESSURE SYSTEMS

02

Subsea Integrity & ROV Services

Specialized underwater inspection and monitoring using advanced ROV capabilities.

GVI/CVI • PIPELINES • CP • CONSTRUCTION

03

Digital Integrity Solutions

AI-powered analytics, IoT monitoring, and cloud platforms for predictive maintenance.

AIMS • ML • DIGITAL TWINS • MOBILE APPS

04

Engineering & Compliance

Technical excellence and regulatory expertise for safe, compliant operations.

SAFETY CASES • RBI STRATEGY • SUBMISSIONS

05

Risk-Based Inspection

Optimized inspection programs using API 580/581 methodology for maximum risk reduction.

QRA • PLANNING • COST OPTIMIZATION

06

Maintenance Optimization

Data-driven strategies to reduce cost and improve reliability through condition-based approaches.

PREDICTIVE • MONITORING • REMAINING LIFE

Topside integrity management.

Safe, reliable operations for production facilities — onshore and offshore.

— Inspection Services

- ◆ **Non-Destructive Testing** — UT, radiography, phased array, TOFD
- ◆ **Risk-Based Inspection** — API 580/581, 15–20% cost reduction
- ◆ **Online Inspection** — Guided wave testing, real-time monitoring

— Corrosion Management

- ◆ All mechanisms covered — sweet, sour, MIC, CUI
- ◆ Control strategy & chemical inhibitor programs
- ◆ Integrity Operating Windows with automated alerts

— Structural & Pressure Systems

- ◆ Fitness-for-Service per API 579 / ASME FFS-1
- ◆ Strain-gauge structural health monitoring
- ◆ PSV testing, certification, ASME / PED compliance

OUTCOMES — ANNUALIZED

25–36% Reduction in unplanned downtime through optimized inspection & maintenance.

\$2–5M Average annual savings per facility from extended asset life.

15–20% Inspection program cost reduction via RBI optimization.

Comprehensive topside integrity programs deliver measurable, audit-ready results.

Subsea integrity & ROV services.

Advanced underwater inspection — without taking production offline.

Subsea Inspection

- ◆ **General & Close Visual Inspection** — HD-documented, measured
- ◆ Cathodic protection surveys — anode depletion monitoring
- ◆ External coating & structural integrity evaluation

Equipment Monitoring

- ◆ Subsea tree, wellhead, and pipeline integrity
- ◆ Flexible riser & umbilical fatigue assessment
- ◆ Leak detection & pressure monitoring

ROV Operations

- ◆ **Work-Class ROV** — interventions, valve operation, repairs
- ◆ **Inspection-Class ROV** — cost-effective surveys
- ◆ UT, eddy current, ACFM, metrology sensor integration

OUTCOMES

<12hrs

Emergency mobilization — industry-leading response time.

47:1

Typical ROI on alternative pipeline inspection methodologies.



Production shutdowns required for integrity assessment.

Regulatory acceptance secured for pipelines where intelligent pigging isn't feasible.

Digital integrity solutions.

Transforming asset management through analytics, AI, and unified platforms.

Integrated AIMS Platforms

- ◆ Unified database — inspection, maintenance, risk
- ◆ 96% data quality improvement on deployment
- ◆ One-click regulatory reporting

Predictive Analytics & AI

- ◆ ML models predict failures 6–12 months in advance
- ◆ Transparent, auditable, vendor-neutral models
- ◆ Proactive intervention before failure events

Mobile & Cloud

- ◆ Offline-capable tablet apps with geo-tagging
- ◆ Bank-grade encryption, role-based access
- ◆ Dashboards, heat maps, 3D model visualization

OUTCOMES

70–85% Failure prediction accuracy on production assets.

35–50% Downtime reduction via predictive maintenance.

95% Reduction in inspection reporting cycle time.

35% inspector productivity gain with immediate critical-finding alerts.

Engineering & compliance services.

Regulatory expertise and technical excellence — with former regulators on staff.

Regulatory Compliance Support

- ◆ Multi-jurisdictional — BSEE, HSE, NOPSEMA, PSA
- ◆ Compliance gap assessments & action plans
- ◆ Submissions, agency liaison, mock audits

Engineering Studies & Analysis

- ◆ Integrity management strategy development
- ◆ Fitness-for-Service engineering per API 579
- ◆ Life extension, failure investigation, root cause

TRACK RECORD



Regulatory non-compliances in recent client audits.



Jurisdictions covered by in-house former-regulator expertise.

Insider understanding of enforcement priorities accelerates approval processes.

INTERNATIONAL STANDARDS WE GUIDE

API 580/581 Risk-Based Inspection	ISO 55000 Asset Management	API RP 2SIM Structural Integrity Mgmt	API 579 Fitness-for-Service	ASME B&PV Pressure Equipment	ISO 9001/14001/45001 QHSE Management
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Value proposition & competitive edge.

Four differentiators that clients return for.

01

Integrated Approach

End-to-end solutions spanning topside, subsea, digital, and engineering through a single provider.

- ◆ Seamless service delivery
- ◆ Holistic risk management
- ◆ Technology integration
- ◆ Lifecycle continuity

ELIMINATES INTERFACE PM RISKS

02

Data-Driven Decisions

Advanced analytics and AI transforming raw data into actionable intelligence with measurable outcomes.

- ◆ 70–85% failure prediction accuracy
- ◆ Optimization algorithms
- ◆ Industry benchmarking
- ◆ Transparent methodologies

TYPICAL ROI 3:1 TO 5:1 IN 2–3 YRS

03

Regulatory Expertise

Former regulators on staff, navigating complex multi-jurisdictional compliance with confidence.

- ◆ BSEE, HSE, NOPSEMA, PSA expertise
- ◆ Proactive compliance monitoring
- ◆ Efficient regulatory interface
- ◆ Best-practice leadership

ZERO NON-COMPLIANCES IN RECENT AUDITS

04

Emergency Response

24/7/365 availability with rapid mobilization capabilities when integrity crises occur.

- ◆ Direct expert consultation
- ◆ Under 12-hour mobilization
- ◆ Crisis management experience
- ◆ Business continuity planning

RECORD OFFSHORE RESPONSE <12 HRS

Our delivery process.

A proven five-phase methodology — from facility review to continuous improvement.



Consistent quality across every project — from initial planning through ongoing optimization.
Each phase has defined deliverables, sign-off gates, and client touchpoints.

Our leadership.

Four founders, decades of energy-sector experience, one shared standard.



MANAGING DIRECTOR
Chris Kare Opuba



TECHNICAL DIRECTOR
Ugo Odera Afulike



PROJECTS DIRECTOR
Ekong Friday Ekong



EXECUTIVE DIRECTOR
Pere-ebi Alex Tiemo

World-class expertise across every discipline.

A multidisciplinary team of certified professionals, chartered engineers, and subject-matter experts with decades of combined experience across the global energy sector.

CERTIFIED INSPECTORS	API, ASNT, PCN certified NDT technicians
CHARTERED ENGINEERS	Professional engineers across multiple disciplines
FORMER REGULATORS	BSEE, HSE, NOPSEMA, PSA agency experience

PRACTICE AREAS

D01 Mechanical Integrity Pressure systems, piping, rotating equipment	D02 Structural Integrity Offshore platforms, onshore facilities, FEA
D03 Corrosion Science All mechanisms, mitigation strategies	D04 Non-Destructive Testing Full-spectrum NDT, advanced techniques
D05 Risk Assessment RBI, QRA, HAZOP, LOPA methodologies	D06 Regulatory Compliance Multi-jurisdictional, safety cases
D07 Digital Solutions Analytics, AI/ML, software development	D08 Subsea Operations ROV pilots, subsea engineers, surveyors

Trusted by industry leaders.

A diverse client portfolio across the global energy sector.

SEGMENT 01

International Oil Majors

Integrity programs for global operators.

OFFSHORE • REFINERIES • LNG

SEGMENT 02

National Oil Companies

Large-scale integrity & digital transformation.

PROCESSING • PIPELINES • MATURE FIELDS

SEGMENT 03

Independent Operators

Specialized services for focused portfolios.

DEEPWATER • UNCONVENTIONAL

SEGMENT 04

EPC Contractors

Design, commissioning & lifecycle support.

NEW BUILDS • EXPANSIONS • MODS

SEGMENT 05

Offshore Service Providers

ROV & subsea integrity partnerships.

DRILLING • SUBSEA INSTALLATION

SEGMENT 06

Power & Utilities

Asset integrity for power generation.

GAS TURBINES • CCGT • COGEN

90%+ Client retention rate — reflecting lasting relationships built on outcomes.

ACTIVE OPERATIONS
NIGERIA • GULF OF GUINEA

I N T E G R I T Y • R E L I A B I L I T Y • C O N F I D E N C E

Let's safeguard your critical assets.

Thank you for considering FI&RM Services Ltd as your asset integrity partner. We'd welcome a conversation about how we can deliver measurable value to your operations.

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