FORTIS
ENGINEERING

Build Bold.
Engineering Excellence.

fortisengineering.net



We deliver world-class engineering, procurement, construction, and integrated technical services.



With our head office in Port Harcourt, Rivers State and operations reaching across continents, Fortis Engineering is built to serve the energy and mining industries at both brownfield and greenfield levels. Our mission is simple: to prove our capability, every time, in the areas where we are most trusted.

At Fortis, our strength lies in our people. We bring together a seasoned team of specialists with decades of combined experience across engineering, procurement, construction, and integrated technical services. Every project is executed with precision, professionalism, and a deep commitment to partnership.

Our clients span the upstream, midstream, and downstream sectors of the energy business, as well as mining operators who demand reliability and expertise.



Why Choose Us

We have competitive advantage through value added services, competitive prices to ensure market penetration, deploying experienced personnel and safety standard best practices in delivery ahead of project schedule.

Leadership

Management

Understanding

Experience

Capacity

CORE VALUES

Character

We act with integrity, accountability, and professionalism, taking responsibility for our actions and principles.

Capacity

We face challenges with strength, resilience, and determination, delivering no matter the odds.

Commitment

We stay committed to client success, never losing sight of safety, quality, and excellence.

Time

We anticipate industry shifts and embrace innovation to keep our clients ahead of the curve.

Transparency

We uphold integrity, transparency, and respect in every relationship and transaction.

Trust

We honor our promises, building trust through reliability and consistent delivery.

Service Pillars

Engineering





Lift/Elevator Services

Procurement





Integrated Services

Civil Construction





Crane & Davit Services

At Fortis Engineering, we provide end-to-end crane and davit solutions covering everything from supply and installation to maintenance, repairs, upgrades, and certification. Backed by partnerships with leading OEMs around the world, our team ensures every system operates at peak efficiency, meets international safety standards, and delivers exceptional reliability in the most demanding conditions both onshore or offshore.

With Fortis, you get more than equipment support; you get engineering assurance that lifts performance higher.

SUPPLY & INSTALLATION OF CRANES, HOISTS, AND GANTRIES

LOAD TESTING & CERTIFICATION TO INTERNATIONAL SAFETY STANDARDS

REPAIR & REPLACEMENT OF WORN OR FAULTY COMPONENTS

PREVENTIVE MAINTENANCE PROGRAMS TO REDUCE DOWNTIME



Corrosion Management

Protecting assets. Extending life. Reducing risk. We help clients safeguard their assets through comprehensive corrosion control and fabric maintenance solutions. Our approach combines advanced technology, data-driven insights, and industry best practices to deliver long-term protection and cost efficiency.

FABRIC MAINTENANCE & COATING SYSTEMS DESIGNED FOR DURABILITY.

CATHODIC PROTECTION (CP) & SURVEYING TO PREVENT METAL DEGRADATION.

DATABASE SET-UP & INTEGRITY MANAGEMENT FOR PROACTIVE MONITORING.

INSPECTION, ASSESSMENT & DATA ANALYSIS FOR ACCURATE DECISION-MAKING.

RISK-BASED CORROSION STRATEGIES TAILORED TO YOUR OPERATIONS.

PLANNED MAINTENANCE CAMPAIGNS WITH BUDGETS AND EXECUTION SUPPORT.



Rotating Equipment Maintenance

Precision care for the machines that keep your operations moving.
Fortis Engineering delivers specialized maintenance and reliability solutions for rotating equipment across the energy and industrial landscape. From pumps to turbines, we ensure every unit runs with peak efficiency, minimal downtime, and extended service life.

PUMPS – RECIPROCATING, CENTRIFUGAL, AND GEAR SYSTEMS.

GAS TURBINES, GEARBOXES & ENGINES – INSTALLATION, SERVICE, AND REPAIR.

COMPRESSORS: RECIPROCATING AND CENTRIFUGAL.

CONDITION MONITORING & PREDICTIVE MAINTENANCE: VIBRATION ANALYSIS, OIL SAMPLING, BORESCOPE INSPECTIONS.



Static Equipment Maintenance

At Fortis Engineering, we deliver comprehensive maintenance and reliability solutions for static equipment that power essential processes across industries. From valves and boilers to heat exchangers and HVAC systems, our team applies precision engineering, advanced diagnostics, and preventive maintenance strategies to ensure every asset operates at optimal efficiency.

Through strict adherence to international standards and safety protocols, we extend equipment lifespan, reduce downtime, and maintain seamless operational integrity. With Fortis, your systems aren’t just maintained — they’re engineered for endurance and performance.

VALVE SERVICES – INSTALLATION, COMMISSIONING, INSPECTION, AND MAINTENANCE.

BOILERS & HEAT EXCHANGERS – ROUTINE UPKEEP, REPAIRS, AND PERFORMANCE OPTIMIZATION.

HVAC SYSTEMS – MAINTENANCE AND REPAIRS FOR SAFE, EFFICIENT CLIMATE CONTROL.



Life Extension Services

Extending asset life. Maximizing performance. Minimizing risk.
At Fortis Engineering, we specialize in life extension strategies that keep your assets productive long beyond their original design cycles. Through proactive inspection, advanced analysis, and smart engineering, we ensure your facilities remain safe, compliant, and profitable.

WORK SCOPE DEVELOPMENT: TAILORED PLANS FOR ASSET LIFE EXTENSION.

RISK-BASED INSPECTIONS: IDENTIFYING VULNERABILITIES BEFORE THEY ESCALATE.

BUDGET IMPLEMENTATION & PROJECT EXECUTION – FROM PLANNING TO ON-SITE DELIVERY.

CORROSION PROTECTION – ADVANCED COATINGS AND CONTROL METHODS.

ENGINEERING & COMPLIANCE SUPPORT – ENSURING REGULATORY AND INDUSTRY-STANDARD ADHERENCE.

FAILURE MODE & EFFECTS ANALYSIS (FMEA) – ANTICIPATING ISSUES TO PREVENT COSTLY DOWNTIME.



Electrical Maintenance

Powering reliability, safety, and performance. Fortis Engineering delivers end-to-end electrical maintenance services designed to keep your operations running smoothly and safely. From critical power systems to advanced monitoring, we ensure your facilities are always energized and protected.

POWER SUPPLY SYSTEMS INSTALLATION, MAINTENANCE, AND OPTIMIZATION.

LIGHTING SYSTEMS, RELIABLE ILLUMINATION FOR INDUSTRIAL AND COMMERCIAL SPACES.

GENERATORS & UPS SYSTEMS: SEAMLESS BACKUP AND EMERGENCY POWER SOLUTIONS.

FIRE & SECURITY ALARMS INSTALLATION AND UPKEEP FOR MAXIMUM PROTECTION.

THERMAL IMAGING TO DETECT FAULTS BEFORE THEY CAUSE DOWNTIME



Marine Support Services

Strength at sea. Reliability offshore. Fortis Engineering delivers comprehensive marine support solutions that keep offshore operations moving safely and efficiently. Our fleet and partners provide the right vessels, the right expertise, and the right response, wherever and whenever they’re needed.

UTILITY & STAND-BY VESSELS FOR OFFSHORE SUPPORT AND EMERGENCIES.

TOWING & SUPPLY VESSELS – RELIABLE TRANSPORT OF RIGS, CARGO, AND EQUIPMENT.

DREDGERS & ANCHOR HANDLING TUGBOATS – HEAVY-DUTY MARINE OPERATIONS.

TERMINAL & FPSO SUPPORT – SEAMLESS INTEGRATION FOR OFFSHORE PRODUCTION.

CREW & FAST SUPPLY VESSELS (FSIV) – SAFE AND RAPID PERSONNEL TRANSFER.



Rope Access

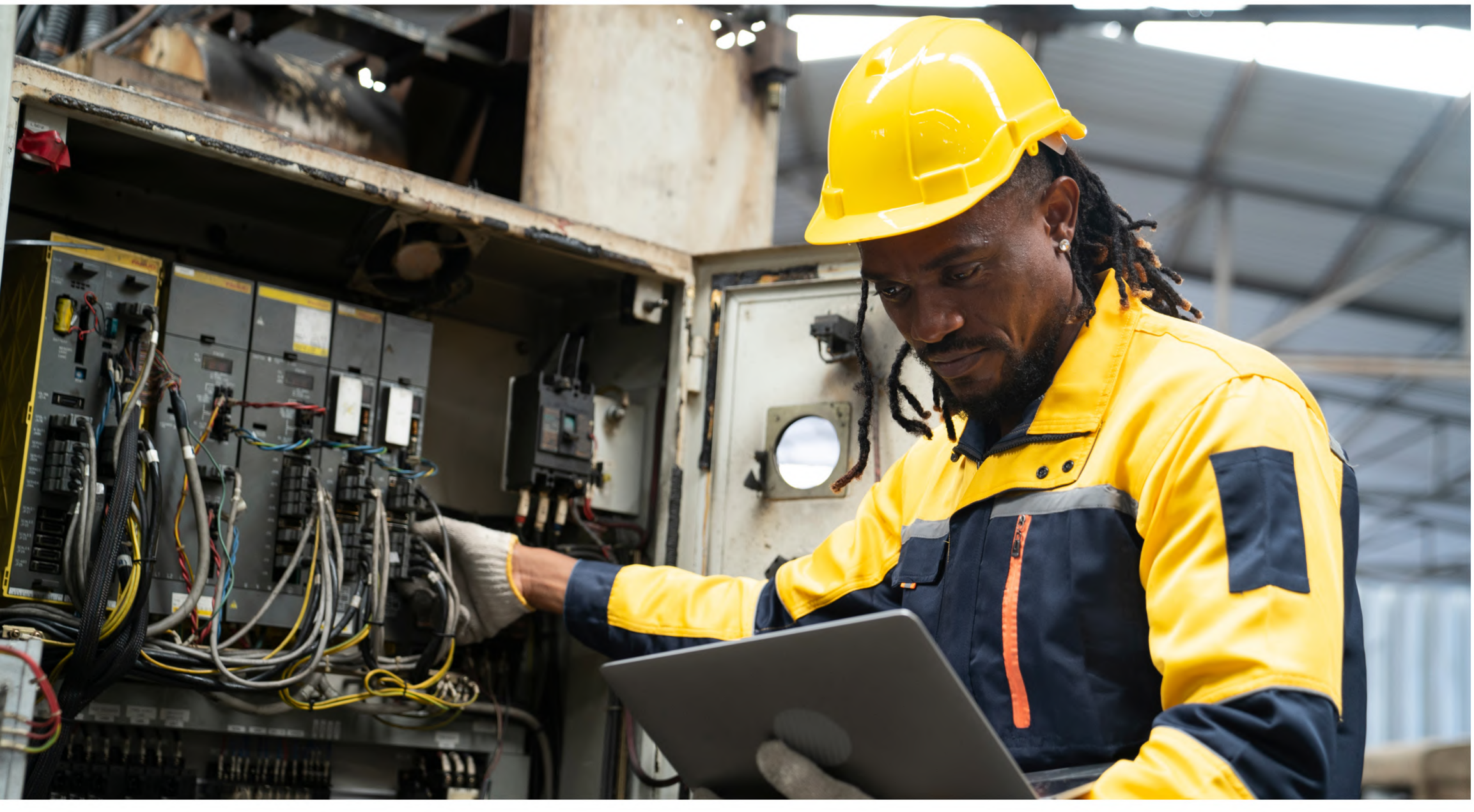
Safe. Skilled. At any height. Fortis Engineering provides specialist rope access solutions that combine safety, efficiency, and technical expertise. Our certified teams operate where others can’t, delivering inspections, maintenance, and installations at height and in hard-to-reach locations without costly scaffolding or downtime.

FLOWLINE & RISER INSPECTIONS – ACCURATE, DETAILED, AND RELIABLE.

FABRIC MAINTENANCE – COATING, REPAIRS, AND STRUCTURAL UPKEEP.

FLARE TOWER & OFFSHORE INSTALLATIONS – SAFE EXECUTION IN EXTREME CONDITIONS.

CONDITION MONITORING & PREDICTIVE MAINTENANCE – VIBRATION ANALYSIS, OIL SAMPLING, BORESCOPE INSPECTIONS.



Operations and Maintenance

Reliable support. Seamless operations. Fortis Engineering provides end-to-end operations and maintenance solutions, ensuring your projects and assets run smoothly, safely, and efficiently.

PROJECT OPERATIONS MANAGEMENT: STRUCTURED OVERSIGHT FOR SEAMLESS EXECUTION.

FIELD PERSONNEL DEPLOYMENT: SKILLED TEAMS TO SUPPORT CLIENT OPERATIONS.

COMPLIANCE & SAFETY ASSURANCE – ALIGNING WITH INDUSTRY AND REGULATORY STANDARDS.

ROUTINE & PREVENTIVE MAINTENANCE – MINIMIZING DOWNTIME AND EXTENDING ASSET LIFE.

EMERGENCY RESPONSE & REPAIRS; RAPID SOLUTIONS WHEN IT MATTERS MOST.

EQUIPMENT OPERATIONS & SUPPORT – KEEPING CRITICAL ASSETS RUNNING AT PEAK CAPACITY.



Equipment and Maintenance

Tools that work. Equipment that lasts. We provide complete support for the acquisition, upkeep, and performance of heavy-duty engineering equipment.

ACQUISITION & SUPPLY; SOURCING THE RIGHT TOOLS AND MACHINERY FOR EVERY PROJECT.

PREVENTIVE MAINTENANCE – MINIMIZING DOWNTIME THROUGH PROACTIVE CARE.

REPAIRS & OVERHAULS – RESTORING EQUIPMENT TO FULL OPERATIONAL CAPACITY.

LIFECYCLE MANAGEMENT – ENSURING LONG-TERM RELIABILITY AND PERFORMANCE.

CALIBRATION & CERTIFICATION – ENSURING EQUIPMENT MEETS GLOBAL STANDARDS.

ON-SITE SUPPORT – DEPLOYING SKILLED TECHNICIANS FOR FAST, EFFECTIVE SERVICE.



General Engineering Services

Expert solutions. Smarter operations. Fortis Engineering delivers comprehensive engineering support to optimize assets, extend life cycles, and enhance performance.

EQUIPMENT STRATEGIES & LIFE-CYCLE EXTENSION

FATs & SATs FOR MECHANICAL AND ELECTRICAL EQUIPMENT

CMMS SET-UP & SUPPORT FOR SMARTER MAINTENANCE MANAGEMENT

DESIGN & SPECIFICATION SUPPORT FOR EQUIPMENT SELECTION AND REPAIRS

TRAINING & COMPETENCY ASSURANCE TO BUILD SKILLED TEAMS

PROJECT MANAGEMENT & PROCESS OPTIMIZATION



Lift/Elevator Modernization and Installation

Raising standards. Elevating performance. At Fortis Engineering, we provide comprehensive lift and elevator services from design, installation, and modernization to maintenance, inspection, and certification.

Our engineers integrate cutting-edge lifting technologies with robust mechanical and electrical systems to ensure smooth, efficient, and compliant operation in every environment.

LIFT INSTALLATION & MODERNIZATION: TAILORED FOR NEW AND EXISTING BUILDINGS.

REPAIR & MAINTENANCE: RAPID INTERVENTION AND LONG-TERM SERVICING.

HEALTH & SAFETY UPGRADES: ENSURING FULL COMPLIANCE WITH STATUTORY REGULATIONS.

COMPLEX PROJECTS: HANDLING THE MOST CHALLENGING INSTALLATIONS WITH PRECISION.



Lift/Elevator Annual Survey, Repair and Re-certification

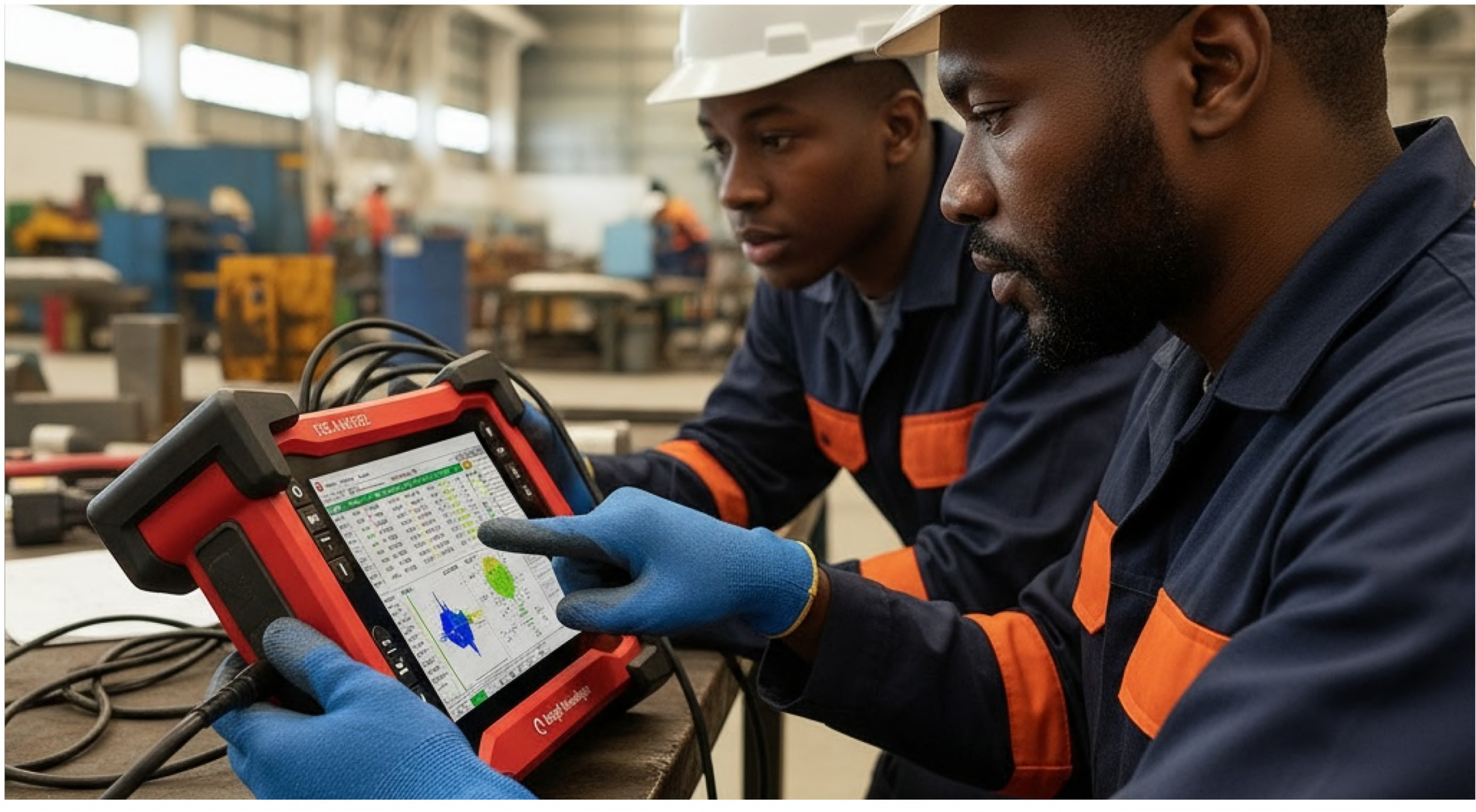
Compliance guaranteed. Safety assured. Fortis Engineering provides comprehensive annual lift surveys, repairs, and re-certification services designed to ensure every elevator operates safely, efficiently, and in full compliance with national and international lifting regulations. Our engineers perform detailed inspections, performance assessments, and functional testing to identify potential risks early and maintain system integrity.

ANNUAL SURVEYS & INSPECTIONS: THOROUGH CHECKS FOR SAFETY AND PERFORMANCE.

REPAIRS & MAINTENANCE: RESOLVING FAULTS TO RESTORE RELIABILITY.

CERTIFICATION & RE-CERTIFICATION: SECURING REGULATORY APPROVALS FOR COMPLIANCE.

PERFORMANCE ASSURANCE: MAINTAINING LIFT INTEGRITY AND OPERATIONAL EFFICIENCY.



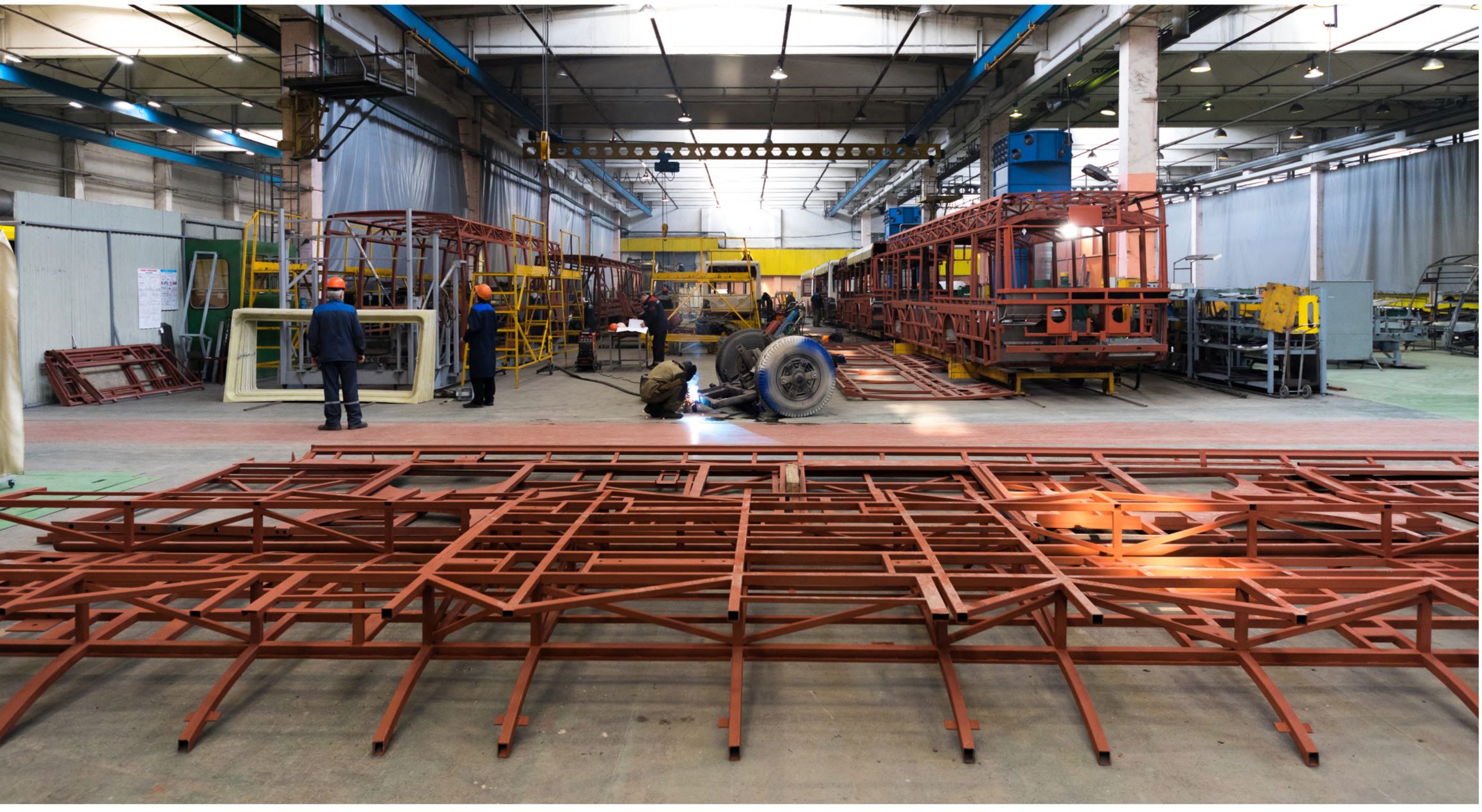
Asset Integrity Management

Protecting assets. Ensuring safety. Driving reliability. Fortis Engineering delivers comprehensive integrity management programs that safeguard pipelines, vessels, tanks, and critical infrastructure. Our advanced NDT solutions detect risks early, prevent costly failures, and keep your operations fully compliant.

COMPREHENSIVE INSPECTION PROGRAMS: TAILORED STRATEGIES FOR ASSET LIFE-CYCLE MANAGEMENT.

PIPELINE INTEGRITY SOLUTIONS: DEFECT DETECTION, CLEANING, LEAK REPAIR, AND REINFORCEMENT.

RISER & SUBSEA SYSTEMS: INSPECTION, MAINTENANCE, AND REPAIR OF OFFSHORE STRUCTURES.



Construction & Fabrication

Designing strength. Building with precision. Fortis Engineering provides end-to-end construction and fabrication services, from concept to commissioning. We deliver durable infrastructure and reliable structural support for both onshore and offshore environments.

DESIGN, CONSTRUCTION & INSTALLATION – TURNKEY INFRASTRUCTURE SOLUTIONS.

COMMISSIONING OF WORKS: ENSURING READINESS AND COMPLIANCE.

STRUCTURAL SUPPORT SERVICES: FOR CIVIL AND INDUSTRIAL PROJECTS.

OFFSHORE REVAMP & UPGRADES: EXTENDING LIFE OF EXISTING ASSETS.

FABRIC MAINTENANCE: PRESERVING INTEGRITY AND PERFORMANCE.



Earth Works

Building foundations. Securing resources. Fortis Engineering delivers specialized earthwork solutions that support water, infrastructure, and environmental needs.

BOREHOLE DRILLING & DEVELOPMENT – INCLUDING PUMP TESTING.

OVERHEAD TANKS & WATER RESERVOIRS – RELIABLE WATER STORAGE SYSTEMS.

FLOOD CONTROL & DRAINAGE ROUTING – PROTECTING ASSETS AND COMMUNITIES.

IRRIGATION FACILITIES – SUSTAINABLE SOLUTIONS FOR AGRICULTURE AND INDUSTRY.



Civil Works

Infrastructure that connects. Foundations that endure. Fortis Engineering delivers robust civil construction solutions that strengthen communities and industries. We design and build infrastructure that is reliable, sustainable, and built to last.

ROAD CONSTRUCTION & REPAIRS: SMOOTH, DURABLE TRANSPORT NETWORKS.

SPORTS FACILITIES: MODERN ARENAS AND RECREATIONAL SPACES.

UNDERGROUND CONSTRUCTION: SAFE AND EFFICIENT SUB-SURFACE PROJECTS.

BRIDGES & CULVERTS: RESILIENT STRUCTURES FOR LASTING CONNECTIVITY.



Building Works

Spaces that inspire. Structures that last. Fortis Engineering delivers high-quality building solutions across residential, commercial, and hospitality sectors. From new developments to rehabilitations, we create spaces that combine functionality, durability, and design excellence.

RESIDENTIAL & PRIVATE ESTATES: MODERN, SECURE, AND SUSTAINABLE LIVING.

HOSPITALITY PROJECTS: HOTELS, RESORTS, AND LEISURE FACILITIES.

REHABILITATION & UPGRADES: VEXTENDING THE LIFE OF EXISTING STRUCTURES.

COMMERCIAL BUILDINGS: OFFICES, SHOPPING MALLS, AND COMPLEXES.

PUBLIC INFRASTRUCTURE: AUDITORIUMS AND MULTIPURPOSE HALLS.



Boiler Inspections & Assessment

Ensuring safety. Securing efficiency. Fortis Engineering delivers specialized boiler inspection, assessment, and testing services designed to uphold the highest standards of integrity, compliance, and operational performance. Our multidisciplinary team applies advanced diagnostic tools, non-destructive testing techniques, and material analysis to identify early signs of wear, corrosion, or structural weakness.

By combining mechanical evaluation, microstructural examination, and chemical analysis, we provide a complete picture of your boiler’s condition, enabling timely maintenance decisions and life-extension strategies.

MECHANICAL & PHYSICAL TESTING OF BOILER TUBES.

MICROSTRUCTURAL EXAMINATIONS TO ASSESS MATERIAL INTEGRITY.

CHEMICAL ANALYSIS OF BOILER MATERIALS FOR SAFETY AND COMPLIANCE.



Major Generator Overhauls & Repair

Restoring power. Maximizing uptime. Fortis Engineering provides comprehensive overhaul and repair services for generators and critical power equipment. Our expert technicians restore assets to OEM specifications, ensuring reliability when it matters most.

GENERATOR OVERHAULS: FULL RESTORATION FOR PEAK PERFORMANCE.

CONTROL PANELS & SWITCHGEAR: REPAIRS AND UPGRADES.

CLIENT-CENTERED REPAIRS: ONLY RECOMMENDING SOLUTIONS IN YOUR BEST INTEREST.

PUMPS, ENGINES & MOTORS: REINSTATED TO ORIGINAL STANDARDS.

EMERGENCY POWER SYSTEMS: AUTOMATIC TRANSFER SWITCHES AND BACKUP UNITS.



Power Plant Performance Testing

Optimizing power. Preventing downtime. Fortis Engineering delivers specialized performance testing to keep generators and power plants running at maximum efficiency and reliability.

LOAD BANK TESTING: VERIFYING CAPACITY UNDER REAL CONDITIONS.

INSULATION RESISTANCE TESTING: ENSURING ELECTRICAL SAFETY.

COMPRESSION TESTING: ASSESSING ENGINE PERFORMANCE.

DIAGNOSTIC TESTING: IDENTIFYING FAULTS BEFORE THEY BECOME FAILURES.

CLIENT-FOCUSED REPAIRS: SOLUTIONS TAILORED TO YOUR BEST INTEREST.



Generator Installations, Commissioning & De-commissioning

From setup to retirement, we've got power covered. Fortis Engineering provides end-to-end generator solutions, ensuring seamless installation, safe commissioning, and professional de-commissioning when units reach end of life. We partner with trusted OEMs to deliver reliable systems that keep operations running.

GENERATOR INSTALLATIONS: DELIVERED AND SET UP TO OEM STANDARDS.

DE-COMMISSIONING: SAFE RETIREMENT AND EQUIPMENT REPLACEMENT.

OPERATIONAL SUPPORT: KEEPING POWER SYSTEMS EFFICIENT AND DEPENDABLE.

COMMISSIONING & TESTING: ENSURING READINESS AND COMPLIANCE.

OEM PARTNERSHIPS: ACCESS TO COMPETITIVE QUOTES AND QUALITY UNITS.



Instrumentation, Control & Automation (ICA)

Precision that drives performance. Fortis Engineering delivers end-to-end ICA solutions that enhance operational visibility, reliability, and efficiency across industrial assets.

Our specialists design, integrate, and maintain advanced instrumentation and control systems that ensure real-time monitoring, accurate process control, and seamless plant automation.

INSTRUMENTATION & CALIBRATION: SETUP, TUNING, AND ACCURACY OF CRITICAL FIELD DEVICES.

AUTOMATION SOLUTIONS: BOOSTING THROUGHPUT, SAFETY, AND INTELLIGENT CONTROL.

ONTROL SYSTEMS INTEGRATION: PLC, SCADA, AND DCS CONFIGURATION AND OPTIMIZATION.



Production Chemicals

Optimizing flow. Protecting assets. Maximizing output. Fortis Engineering provides a full range of specialty production chemicals engineered for performance in Nigeria’s operating environments.

We support operators with tailored treatment programs that enhance production efficiency and safeguard asset integrity from wellhead to export.

FLOW ASSURANCE CHEMICALS: PREVENTING SCALE, HYDRATE, PARAFFIN, AND ASPHALTENE ISSUES.

CORROSION & INTEGRITY CHEMICALS: PROTECTING ASSETS WITH TARGETED CORROSION CONTROL.

WATER TREATMENT CHEMICALS: FOR INJECTION SYSTEMS, PRODUCED WATER, AND OPERATIONS.

CHEMICAL MONITORING & OPTIMIZATION: FIELD TESTING, DOSAGE MANAGEMENT, AND PERFORMANCE TRACKING.

Partners and OEMs

We have over the years provided engineering solutions to top organizations which gives a rich history of value delivery and experience.

LEADERSHIP

Driving Excellence, Delivering Trust

We are not just technicians, we are the vanguards of progress and the advancement of civilization.

At Fortis Engineering, we are driven by a simple principle, excellence in every detail. Our work reflects a deep commitment to safety, innovation, and performance across every project we undertake.

We take pride in the trust our clients place in us and in the partnerships we've built through consistent delivery and integrity. As we look ahead, our focus remains on expanding our capabilities, embracing new technologies, and continuing to set benchmarks in engineering service delivery.

Together, we're not just building systems, we're engineering progress and powering industries.

Ikechukwu Obioha

Manager Technical Operations And Sales,
Fortis Engineering



LEADERSHIP

Engineering the Future, Together

At Fortis Engineering, we believe true success is built on trust, excellence, and innovation. Every project we deliver is more than just a technical achievement it is a partnership, a promise, and a contribution to building stronger industries and communities.

As we look to the future, our focus remains clear: to provide world-class solutions, uphold the highest safety standards, and continue empowering our clients with services that make a lasting impact.

Thank you for choosing Fortis. Together, we will engineer progress and power possibilities.

Simeon Okara FNSE

Managing Director,
Fortis Engineering Services



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