



Company Profile



HEAD OFFICE:

60A Trans – Amadi Industrial
Layout, Port Harcourt,
Rivers State.

Tel: +234(0)803 233 3342, (0)805 651 0004
+234(0)84-302936

E-mail: info@antonioengineering.com,
antonioengineering@gmail.com Website:

Website: www.antonioengineering.com

WORKSHOP, WAREHOUSE AND FABRICATION YARD

KM 16, Aba/Port Harcourt Expressway
Port Harcourt, Rivers State.



ANTONIO ENGINEERING SERVICES NIGERIA LIMITED.



Antonio Engineering Services Nigeria Limited is a purely indigenous Engineering, Procurement, Construction, Installation and Commissioning (EPCIC) Company duly incorporated under the laws of the Federal Republic of Nigeria in 2010.

Antonio Engineering Services Nigeria Limited has been delivering quality services to leading international and local clients in all sectors of industry. With an extensive track record in executing projects of the highest quality, to agreed schedules and within budget; we are totally dedicated to innovation and excellence in the provision of all our services. To this effect, we are committed to the continuous development of our employees so that they can reach their full potential and achieve maximum productivity in our commitment to offering our best services to our clients.

OUR VISION

To be the leading global provider of specialty solutions that bring value to our clients for complex and challenging projects.

OUR MISSION

To safely and consistently deliver specialised solutions to the challenging projects of energy and resource clients as the world's most agile and responsive organisation.

OUR VALUES SAFETY

The safety and health of all our employees is the most important value held by our company; no one gets hurt and everyone goes home safe and well.

TEAMWORK

We work together to achieve organisational goals

REPUTATION

Our current and future success depends on our reputation

OUR BRAND

This represents the Company's expertise in Mechanical, Welding & Fabrication, Calibration, Procurement, Electrical installation and strong client service reputation. That brand has developed into the Antonio Engineering logo as it is today and now represents the broader range of service offerings that Antonio Engineering provides. The Group maintains a strong focus on clients and project delivery.

We support the engineering, procurement, construction, personnel training, haulage, operation and maintenance of offshore and onshore pipelines, including associated facilities such as compressor, pump and metering / regulator stations.



ANTONIO ENGINEERING SERVICES NIGERIA LIMITED

ELECTRICAL SERVICES

- Renewable Energy (Solar, Wind & Biomass)
- Data/telecommunication/fiber optic work
- Testing, such as infrared thermography
- Specialty systems, such as security, fire alarm, energy Management
- Process equipment setting, hook-up and control/Instrumentation
- Outdoor lighting
- Overhead/underground line construction, power and fiber
- Switchyard Installations
- National Rollout & Installations
- Electrical Service
- Electrical Construction
- High, medium and low voltage work

CONSTRUCTION SERVICES

Antonio Engineering core group of experienced project managers and superintendents have the knowledge and expertise to complete various pipeline construction projects.

Antonio Engineering Personnel have the skill sets to manage your projects in a safe, timely and cost effective manner.

CIVIL CONSTRUCTION

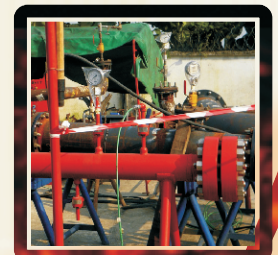
Our experience includes complete civil construction for airfield and heavy highway projects for military and commercial customers. We have a long history of successful completion of Federal, State, Municipal, and Commercial paving and civil construction contracts such as:

- Roads and Building Construction
- Rock Crushing and Screening
- Concrete and Asphalt demolition
- Mass Excavation
- Embankment Construction
- Water, Sewage and Storm Drain Utilities
- Construction Surveying
- Asphalt Paving

PIPELINE CONSTRUCTION SERVICES

Antonio Engineering consists of following disciplines:

ROW Topography: which will carry through the total contract with bending excellence and a precise as built chart.





Civil Engineering: Site Preparation. Supervision & Route (ROW) top soil removal, ditch excavation and soft cover backfill systems

Mechanical Engineering: AGI installations, Pipeline Construction, Pipe Stringing Pipe Bending, Manual & Automatic Welding Systems, Welding Procedure Development, Double Jointing Systems, Floating Head Sub Arc Welding reducing the mainline welding by up to 50%. Automatic Heat induction pre heating & Stress relieving

Non Destructive Testing: State of the art Internal/External X-Ray Crawlers Automatic Ultrasonic's Pipe Coating, Grit Blasting, Shrink Wrap, Heat Induction Powder Coating, Painting

Pipeline Testing & Commissioning Rehabilitation, Pipe Replacement & Repair, internal cleaning, Intelligent pigging.

Implementation of HSE Safe work practice, Method Statements & Hazard analysis.

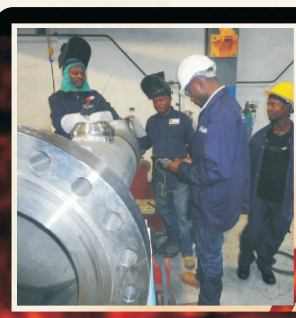
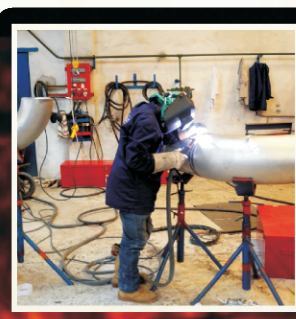
PIPELINE INDUSTRY SERVICES

Antonio Engineering also operate as Mechanical Engineering Sub-Contractors carrying out the following services to the Pipeline Industry:

- Construction Management, Equipment Supply & Recommendation
- Pipeline Construction main line Pipe trailers, Side booms, Pay welders, Excavation machines
- Pipe Fabrication & Installation Contractor Pipe fabrication units & related equipment
- Main Line Welding Contractor Automatic Welding Systems
- Construction Supervision Ditch excavation, backfill padding systems
- Welding Procedures & Mechanical Evaluation Certification
- Overseeing, Method statements & Quality Control
- Automatic Welding System Development
- Pipeline Rehabilitation Services
- Skilled Pipeline Construction Supervision Personnel

PIPELINE SERVICES

Testing's Subsea department performs all services related to pre-commissioning and commissioning of pipeline systems, including maintenance of existing pipes and pressure systems. We work actively together with our clients to find optimal technical solutions, accommodating efficiency, environment and economy.



ACTIVITIES / DISCIPLINES:

Pre-commissioning

This is a series of operations that needs to be done in order to prepare a subsea pipeline system for use/filling of product.

COMMISSIONING

These operations normally come after pre-commissioning and begin with introduction of the line matter/product into the system, followed by pressurisation up to operational pressure. This may be done in one single operation.

MAINTENANCE/SERVICING

A wide range of operations need to be done frequently when existing pipelines shall be kept up to date. Examples of servicing may include wax removal or change of use, e.g. from production to water injection.

FEED (Front End Engineering & Design)

To ensure that all pre-commissioning and commissioning activities may be done in a sensible and cost efficient way, Antonio Engineering performs FEED studies in the design phase of onshore & offshore development projects. These studies include – in addition to a description of how the pre-commissioning operations can/should be done for that specific system – functional requirements for e.g. pig traps, connection points, dimensioning of piping and valve placement.

- Pigging / Intelligent pigging
- Scale squeeze services
- Cuttings transport system (CTS)
- Pre & De-commissioning
- Commissioning
- Pipeline – Flooding, Cleaning, Gauging & Inspection
- Pipeline – Dewatering, Nitrogen / Vacuum drying
- Electro-hydraulic Umbilical Testing
- Chemical Injection Services

Antonio Engineering Services Nigeria Limited has all the services, equipment and experiences to carry out a complete Pre-commissioning program of; Pipeline cleaning, gauging, filling (flooding) and Hydrostatic testing. During Hydro testing environmental friendly chemicals like Dye or inhibitors can be used for leak testing and conservation.

After testing the pipeline can be displaced with air or Nitrogen and dried to the





required dew point.

PRESSURE TESTING

The provision of testing by either vacuum or pressure to prove the integrity of the system ensuring the system is 'fit for purpose' and to obtain the relevant necessary certification. These procedures can be functional on system components such as pipes, tanks, valves and other equipment.

The operation is performed using fluids (liquid or gas) and all metering instrumentation is supplied with relevant traceable certification of calibration and documentation packages. During testing the pressure will be visible on gauges, and logged on data-, fuji-, or mechanical logger.

Extensive stocks of materials are held in store, these include items such as blind flanges to cater for piping standards SAE, SPO, DIN, API in RF, RTJ or hub type configurations, test plugs for flange and weld integrity test (internal joint testers).

TANK CLEANING

Antonio Engineering Testing performs cleaning of tanks offshore and onshore, cleaning of ballast tanks when damaged, large storage tanks for decommissioning and daily cleaning of tanks onboard supply vessels.

In addition to the conventional methods used with manual cleaning of the tanks, remote operated equipment is used for internal circulation/flushing, usually in combination with vacuum equipment. This is done to minimise/eliminate the use of personnel inside the tanks.

We have equipment for washing, steaming, vacuum suction, purging and inspection for all types of tanks. When necessary we will accommodate the equipment for the individual tank.

When using more recent methods for cleaning one can avoid any persons coming in contact with the waste from the cleaning process, thus allowing hazardous waste to be handled in a safer manner.

VACUUM CLEANING

Vacuum Tank Cleaning System (VTCS) has a series of advantages compared to traditional tank cleaning. The method requires less time and simplifies both the work and the waste management. The system sucks out the deposit and transports it to a tank which can be placed up to 80 meters



away from the work area (several tanks may be used to avoid interruptions in the cleaning process).

The vacuum pump ensures that the deposits are sucked through the hose and directly to the storage tanks, which can then easily be transported and emptied. The hose may be handled by one person, which reduces the need for personnel considerably.

PRESERVATION

Preservation is a description of the activities that are primarily performed to maintain the quality of a component(s), and to reduce future loss in value or effectiveness. Preservation can be simply a 'physical' covering by the use of wrapping products or by the provision of a protective coating in the form of a fluid, powder, solid tablet, wax or grease, primarily performed to provide long or short term protection against detrimental effects from external elements.

Antonio Engineering Testing provides all services required in the performance of this work from planning, front-end engineering, formulation of manuals, purchasing of preservation materials and the provision of preservation services to the customer.

Environmentally 'friendly' chemicals are used for the removal and prevention of corrosion to any surface type either to the internal or external surfaces of the component. Pipeline and Process systems can be injected with gas under pressure or at vacuum to prevent further detrimental penetrations.

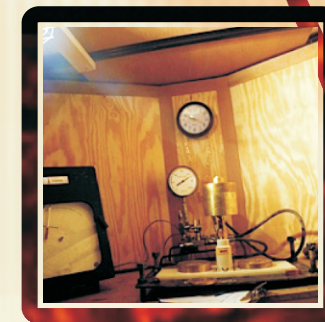
Antonio Engineering provide coverings in the form of jointed (sewn) fabric sheets, aluminium foil or tape, and in plastic, typically as covers for flanges.

Scope of use

- Pipe systems
- Pumps and engines
- Tanks, vessels and heat exchangers
- Valves
- Turbines and compressors
- Electrical cabinets
- Structures

Coating/Waxing

- External or Internal waxing of component surfaces
- Internal waxing of subsea pipes/assemblies
- Automated units to enable waxing to all types of pipe material





Inhibitor

- Environmentally friendly fogging inhibitors/chemicals injected into pipes/process systems for long term preservation
- Foam inhibitor to fill and preserve cavities
- Inhibitor can be added to fluid as a final phase in chemical cleaning or may be used in a test medium
- Reduces likelihood of future corrosion

Covering

- Covers for all pipe material in any dimension/configuration
- Bolt, nut, thread protections
- Wrapping/packaging of pipes and other components prior to long term storage
- Sale of packing/cover materials
- Sewn fabric sheets for protection of valves and other components

Products

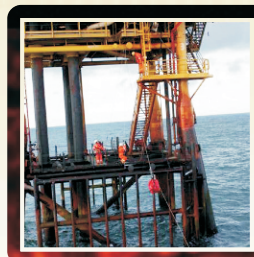
- Oil, wax, gel
- Nitrogen/gas
- Chemicals
- Damp phase corrosion inhibitor
- Silica gel
- Wrapping products
- Absorbent materials

Manpower

We are able to deliver multi skilled international accredited manpower to any offshore or onshore installation within a short notice. Most of our contractors have extensive experience working within the Group and undergo a thorough competency, vetting and qualification assessment prior to agreeing any work scope with the client. Prospective candidates go through a rigorous selection process.

We can currently provide the following on an ad hoc or long term basis:

- Multi skilled Coded Welders
- Welding Inspectors
- Fabrication Supervisors
- Platers
- Pipefitters / Hydrotesters
- NDT Technicians up to Level III OCTG Inspectors
- Multi disciplined IRATA trained Rope Access Teams



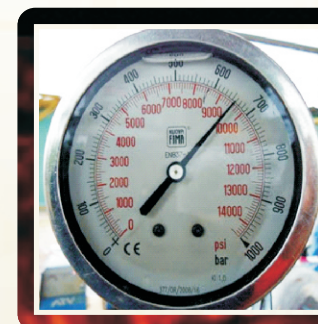
- Scaffolders / Inspectors
- Level 3 Riggers
- Rig Builders
- Rig / Derrick Inspectors
- Maintenance and Repairs
- Onshore & Offshore Construction Supervisors
- Lifting Inspectors
- Instrumentation Technicians
- Electrical Technicians
- Production Supervisors
- Painters / Blasters
- Crane Operators
- Crane Mechanics
- Crane Trainers to Stage 4
- Project Engineers

CALIBRATION SERVICES PRESSURE CALIBRATION

- Barometers
- Analogue Pressure Gauges
- Digital Pressure Gauges
- Digital Indicators
- Transmitters
- Test Gauges
- Flow Meter

ELECTRICAL CALIBRATION

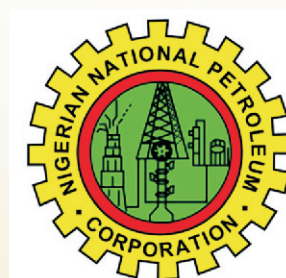
- Multi-meters
- Counter timers
- Insulation Testers
- Loop Testers
- Clamp Meters
- RCD
- Data Loggers





Clientele

Our clients includes but not limited to:



TECHNICAL PARTNERSHIP

In Antonio Engineering, our primary objective is to provide the best quality services to our clients, hence we entered into various technical partnership agreements with reputable companies to cover various aspects of our business interests. Our technical partners are:

- (1) **Thompson & Grace Investment Limited**
7, Moronu Maduagwu Street, Off Alhaji Masha Road, Surulere Lagos
Tel: +234(0)1 2702669

Port Harcourt Office (Workshop, Warehouse & Fabrication Yard)
Km 16 Aba/port Harcourt Expressway Port Harcourt.
Tel: +234(0)818 000 4080
Email: tgrace@thompsonandgrace.com,
Website: www.thompsosnandgrace.com

- (2) **Nomo & Sons Integrated Services Limited**
#21 PH/Aba Expressway Port Harcourt
Tel: +234-8037063777
E-mail: Info@nomoltd.com, Nomooilandgas@yahoo.com
Website: www.nomoltd.com

- (3) **Godswill Technical Services Limited**
#60A Trans Amadi Industrial Layout Port Harcourt.
Tel: +234-84-302936
E-mail: Info@godswilltechnical.com
Website: www.godswilltechnical.com