

COMPANY PROFILE

Pelicon Technology Systems and Structures Limited

Precision Automation. Uncompromised Reliability.



Illustrative image: PLC programming and commissioning

Contact	Details
Head office	Apapa, Lagos, Nigeria
Telephone / WhatsApp	+234 806 266 6236
Email	info@pelicon.com.ng
Website	www.pelicon.com.ng
Operating since	2012

1. About Pelicon

Pelicon Technology Systems and Structures Limited is a Lagos-based industrial automation and engineering company. Founded in 2012 by a group of engineers and technologists, Pelicon began by delivering industrial automation solutions and quickly built a reputation for technical competence, dependable workmanship and honest communication with clients.

Over more than a decade we have grown into an end-to-end provider of automation, control, instrumentation and power solutions. We serve the oil and gas, industrial and manufacturing, commercial, government and residential sectors, and we are equally comfortable in a hazardous flow station, a pharmaceutical plant or a data-critical commercial building.

We combine hands-on field instrumentation experience with software-driven SCADA, telemetry and data capabilities. That combination lets us take a project from the sensor on the pipe to the operator screen and the management report, under one accountable team.

Vision

To be a global leader in automation solutions, revolutionizing industries with innovative, reliable and sustainable technologies.

Mission

To provide superior automation services and solutions that enhance efficiency, safety and productivity for our clients, using state-of-the-art technology and a highly skilled team of professionals.

2. Company at a Glance

Item	Details
Company name	Pelicon Technology Systems and Structures Limited
Year established	2012
Head office	Apapa, Lagos, Nigeria
Core disciplines	Industrial automation (PLC/DCS), SCADA, remote telemetry, instrumentation, calibration and metering, electrical control panels, systems integration, building management systems, fire alarm systems, ICT solutions, solar power systems
Sectors served	Oil and gas; industrial and manufacturing; commercial; government infrastructure; residential
Support	Business hours Monday to Friday, 8am to 6pm, with 24/7 technical support
CAC registration number	RC 1014782
Tax identification number (TIN)	19240529-0001 (FIRS)
Staff strength	20 staff

3. Services

Pelicon offers twelve complementary service lines. Each can be delivered alone or combined into a single integrated project.

Service	What we deliver
Industrial automation	PLC and DCS programming, process control and optimization, and factory-floor digitalization for manufacturing and oil and gas, from specification and logic design to commissioning and operator training.
SCADA systems	Supervisory control and data acquisition for real-time monitoring, alarming, trending and reporting, including flare gas tracking and remote asset management, with clear operator displays and secure data handling.

Service	What we deliver
Remote telemetry	Wireless and wired data acquisition, valve control and real-time monitoring of distributed assets, with reliable communications back to a central control point.
Electrical and instrumentation	Field instrumentation installation, loop checking, precision calibration, cable and termination works, and instrument commissioning.
Calibration and metering	Flow metering, measurement accuracy assurance and instrument certification to support regulatory compliance and fiscal confidence.
Electrical control panels	Custom-designed, fabricated and tested control and power distribution panels, built to approved drawings with documented factory acceptance testing.
Systems integration	Cross-platform interoperability between PLCs, instruments, drives, meters and software, plus custom control panels and ICT infrastructure so that separate systems work as one.
Building management systems (BMS)	Intelligent HVAC and chiller automation, energy optimisation and smart facility control, with monitoring and alarm management for critical environments.
Fire alarm systems	Detection, alarm and suppression systems engineered for hazardous and commercial environments.
ICT solutions	Networking, communications and enterprise ICT infrastructure that supports automation and monitoring systems.
Solar power systems	Commercial and industrial solar array design, hybrid power solutions and energy storage integration, including solar-powered remote installations.
Home automation	Smart residential solutions covering lighting, climate, security and entertainment integration.

4. Process Plant Automation Capability

Pelicon applies its instrumentation, control and SCADA experience to process plants, including refining, blending and bulk-liquid facilities. Typical scope that we are equipped to execute is set out below.

Area	Capability
Tank level monitoring	Level instrumentation selection and installation; inventory calculation; high- and low-level alarms; overfill protection interfaces; and tank gauging data presented on the control system.
Temperature and flow measurement	Temperature and flow instrument installation, calibration and loop checking; totalising and rate display; integration with flow computers and meters; and measurement data logging.
Process and blending control	PLC-based sequence and recipe control, batch control, ratio and setpoint control, interlocks and permissive, and operator interfaces for run, hold and abort conditions.
Pump operation	Start/stop and speed control, status and fault monitoring, duty/standby changeover, run-hour tracking and protection interlocks.
Filling-line integration	Interfacing of filling machines, counters, conveyors and packaging equipment to the plant control system, including batch and production tracking.
Central control and monitoring	SCADA with operator displays, alarms and event logs, historical trending, shift and batch reporting, user access levels and optional remote access.
Panels and field installation	Control and MCC-interface panels, junction boxes, cable installation, glanding and termination, earthing, and documented testing.
Commissioning and handover	Loop checks, site acceptance testing, functional testing, training, as-built documentation and operation and maintenance manuals.

Instrumentation and equipment

Our work centers on field instrumentation, flow measurement and control panel equipment from established manufacturers, including hazardous-area certified devices.



Three-phase controller in a control panel



ABB Totalflow flow computer



Michell Easidew PRO XP dew-point transmitter



Hazardous-area (Ex) certified instrument nameplate

5. Project Delivery Approach

Every project follows a controlled sequence so that scope, cost and quality are clear from the first meeting to final handover.

Step	Phase	What happens
1	Site assessment	Visit the site, review existing plant, instruments and drawings, identify risks and constraints, and agree the objectives with the client.
2	Requirements and design	Define the control philosophy, I/O list, instrument and equipment schedule, network architecture and panel layouts. Drawings are issued for client approval.
3	Procurement	Source approved equipment and materials, with delivery tracking against the project schedule.
4	Fabrication and factory testing	Build and wire panels to approved drawings, and carry out a documented factory acceptance test, witnessed by the client where required.
5	Installation	Install field instruments, panels and cabling under permit-to-work, with supervision, housekeeping and protection of live systems.
6	Commissioning	Loop checks, system integration, site acceptance testing and functional performance testing, with records for every point.
7	Training and handover	Operator and maintenance training, as-built drawings, manuals and formal client acceptance.
8	After-sales support	Fault response, preventive maintenance, calibration and system updates, with 24/7 technical support available.

6. Selected Projects

Project	Client	Location	Relevance
BMS automation for chillers	GlaxoSmithKline	Agbara, Ogun State	Chiller and HVAC automation and monitoring in a regulated manufacturing environment
Factory temperature and humidity control	Cadbury Plc	Lagos	Process environment monitoring and control in a food manufacturing plant
SCADA: flare gas monitoring and valve control	Energia	Delta	Oil and gas SCADA, remote monitoring and valve control

Project	Client	Location	Relevance
Metering and calibration	Platform	Ebedei, Delta State	Flow measurement, calibration and metering accuracy
20kVA solar installation	Vallourec	Onne, Rivers State	Industrial solar power installation
Solar-powered security surveillance	Osun State Government	Osun State	Remote, solar-powered installations for government



Illustrative image: solar-powered security surveillance installation

References, completion years and contact details for each project are available on request.

7. Leadership and Team

Pelicon is led by its owner, Joseph Nwaguzor, a senior automation and SCADA technician with hands-on field experience since 2003. His career includes work in the Nigerian oil and gas sector on flow station metering, field instrumentation and SCADA and telemetry integration, and a role at Industrial Specialist Nigeria Limited before building Pelicon.

Projects are delivered by a team of automation and instrumentation technicians, electrical and panel engineers, and site supervisors, supported by dedicated HSE and quality control oversight.

8. Health, Safety, Quality and Environment

- Safety first: induction, permit-to-work, risk assessments, method statements, lock-out/tag-out and appropriate PPE on every site.
- Quality by inspection: workshop QC, witnessed factory testing and recorded site testing before any handover.
- Clean and careful working: daily housekeeping, protection of live equipment, and proper disposal of waste and packaging.
- Competence: work is carried out and supervised by experienced, trained personnel.
- Honest reporting: clear progress reports, early notice of risks, and documented change control.



Field personnel on site in full PPE

9. Why Choose Pelicon

- More than a decade of continuous operation and a track record across oil and gas, manufacturing, commercial and government clients.
- A single accountable team for instruments, panels, control logic, SCADA, telemetry and power.
- Real field experience combined with software and data capability, from the sensor to the operator screen.
- Documented testing and handover, so clients know exactly what they are receiving.
- Responsive, local support, with 24/7 technical support available after commissioning.