

**TOM CHESS T GROUP OF COMPANIES LIMITED**

Engineering • Energy • Infrastructure



---

Building Perfection

**LPG Plant Construction & Infrastructure Services**

Delivering Clean Energy Solutions across South-South Nigeria and Beyond

---

**A Technical & Marketing Journal**

Showcasing Our Capabilities in LPG Plant Design, Engineering & Execution

Prepared by:  
Tom Chess T Group of Companies Limited  
NNPC Housing Complex, Ekpan  
Uvwie, Warri, Delta State, Nigeria

---

Website: [www.chestgroup.com.ng](http://www.chestgroup.com.ng)  
Email: [info@chestgroup.com.ng](mailto:info@chestgroup.com.ng)  
Phone: 08143449981

---

**Confidential Document**

This document is the intellectual property of Tom Chess T Group of Companies Limited and is intended solely for prospective clients, partners, and regulators.

---

## **Editorial Message from the CEO**

AUC Thompson Douglas

*Leading LPG Infrastructure Development in South-South Nigeria*

At Tom Chess T Group of Companies Limited, we believe that infrastructure is not just about concrete, steel, or machinery—it is about building possibilities, enabling businesses, and transforming communities. For over two decades, our company has been deeply committed to delivering engineering excellence in the petroleum and gas sectors, with a renewed focus on the growing demand for clean energy solutions in South-South Nigeria.

The global shift toward sustainable energy use places Liquefied Petroleum Gas (LPG) at the centre of future-ready infrastructure. In Warri and across the South-South region, we are witnessing increasing energy needs among businesses, manufacturers, households, and institutions. LPG provides a cleaner, safer, and more cost-efficient option compared to traditional fuels like firewood, diesel, and kerosene. Our role is to make this transition smooth, practical, and economically rewarding for our clients.

Through expert design, compliance-driven execution, and a hands-on delivery approach, Tom Chess T Group has positioned itself as a reliable partner for mini and large-scale LPG projects. From feasibility studies to commissioning, our team works with precision and purpose, always putting safety, quality, and performance at the heart of every project.

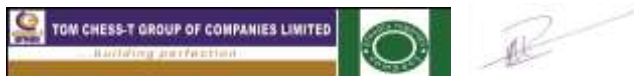
Our vision goes beyond construction. We are working to build an ecosystem where businesses can thrive with dependable gas infrastructure—laying the foundation for energy security, economic development, and environmental responsibility.

As we expand our footprint across Delta, Bayelsa, Edo, and beyond, I invite stakeholders, investors, business owners, and regulators to partner with us in this important journey. Let us work together to unlock the full potential of LPG and lead the charge toward a cleaner, safer, and more prosperous Nigeria.

We don't just build gas plants - we build perfection.

Warm regards,

For: **TOM CHESS T GROUP OF COMPANIES LIMITED**



**AUC. THOMPSON O.S. DOUGLAS** FIMC, ARPM, MCPN, MNCS, MCAI, MISPON, MITAN,  
Executive Group Chairman/CEO

## 1. Company Profile

*Your Trusted LPG Plant Construction Partner*

A Legacy of Excellence Since 2010

Founded on August 2nd, 2010, Tom Chess T Group of Companies Limited has established itself as a pioneering force in Nigeria's infrastructure development sector. Under the visionary leadership of Executive Group Chairman AUC. Thompson Douglas, our company has evolved from a traditional construction firm into a specialized leader in clean energy infrastructure.

In response to the global demand for cleaner and alternative energy, Tom Chess T Group expanded its expertise to include Liquefied Petroleum Gas (LPG) plant construction. Today, we stand as one of the most trusted names in the Niger Delta region, delivering turnkey solutions that meet the highest international standards while addressing local market needs.

**Our Mission:** To provide innovative, safe, and high-quality infrastructure solutions while adhering to the highest standards of integrity and customer satisfaction.

**Our Vision:** To be the premier provider of engineering, construction, and related services, contributing to sustainable development across Nigeria and beyond.

Core Values:

- ✚ Integrity: We conduct business with unwavering honesty and ethical standards
  - ✚ Safety: Zero-compromise approach to worker and operational safety
  - ✚ Quality Service Delivery: Excellence in every project, every time
  - ✚ Customer Satisfaction: Building lasting relationships through exceptional service
  - ✚ Local Content Development: Empowering communities through skilled workforce development
- 

Our Track Record in Delta State And Beyond

25+ Years of Engineering Excellence

With over two decades of experience in LPG plant construction, Tom Chess T Group has successfully delivered 8 commercial LPG refilling plants across the Country. Our projects span Delta State, Rivers State and FCT, with a 100% on-time delivery record and consistent 6-month project completion timeline.

Project Portfolio:

- ✚ Capacity Range: 20-ton, 50-ton, and 100-ton LPG refilling plants
- ✚ Geographic Footprint: 4 states in the Niger Delta region
- ✚ Project Completion: 8 turnkey LPG plants delivered
- ✚ Service Excellence: 100% client satisfaction rate

**Why Niger Delta Businesses Choose Us:** Our deep understanding of the local operating environment sets us apart. We navigate the unique challenges of the Niger Delta region with expertise born from years of local experience, ensuring your LPG plant is designed and

constructed to withstand the climatic conditions, regulatory requirements, and operational demands specific to this region.

Our Integrated Service Approach:

- ✚ Design & Engineering: Custom solutions tailored to your specific needs
  - ✚ Construction & Installation: Turnkey project delivery with modern safety systems
  - ✚ Precision Instrumentation: Advanced monitoring and control systems
  - ✚ Efficient Piping Systems: Optimized for maximum operational efficiency
  - ✚ Civil Works: Complete infrastructure development
  - ✚ Maintenance & Support: On-going technical support and maintenance services
- 

Quality Management Systems & Certifications

Certified Excellence:

- ✚ ISO 14001 Environmental Management System: Demonstrating our commitment to environmental sustainability
  - ✚ NMDPRA Approvals: Fully licensed and approved by the Nigerian Midstream and Downstream Petroleum Regulatory Authority
  - ✚ Professional Memberships: Active member of the Institute of Safety Professionals of Nigeria (ISPON)
-

## **2. Industry Context: Unlocking LPG Opportunities in Warri's Evolving Energy Landscape**

As one of Nigeria's foremost oil and gas hubs, Warri occupies a unique place in the country's energy map. Home to refineries, tank farms, logistics terminals, and petrochemical operations, Warri has long been a centre of hydrocarbon wealth. Yet, despite this strategic positioning, many small and medium-scale businesses across the city continue to rely on inefficient, high-cost energy sources such as kerosene, diesel, and firewood to power their operations.

From bustling restaurants in Enerhen to bakeries in Jakpa Road, from hotels in Effurun to small-scale manufacturers in Ekpan and Ugbuwangue, a broad spectrum of enterprises struggle with rising energy costs and unstable supply. These traditional fuels not only pose environmental risks but also create operational inefficiencies that limit scalability and reliability. In contrast, LPG offers a cleaner, faster-burning, and more cost-effective solution that aligns with both modern energy demands and sustainability goals.

LPG's advantages are well suited for the region: reduced maintenance costs, consistent energy supply, and improved product quality in applications like cooking, baking, heating, and processing. Even though Warri's industrial sector is growing, there remains a notable gap in localized LPG infrastructure, with many neighbourhoods underserved and significant distance between refilling or mini-plant stations. These limitations create a logistical challenge—and an economic opportunity—for businesses and investors alike.

Despite the city's oil-rich status, the end-user market for clean gas remains underdeveloped, particularly at the distribution and retail levels. Local businesses pay a premium not just for fuel but for the downtime, delays, and operational fatigue that come with unreliable energy. Switching to LPG can lead to significant cost reductions—up to 30–40% in operational expenses for some sectors—while enhancing customer satisfaction and operational consistency.

Federal and state governments are already signalling strong support for LPG adoption. Through national policies like the “Decade of Gas” initiative, import duty waivers for gas equipment, and tax incentives for businesses transitioning to cleaner fuels, the regulatory environment is becoming increasingly favourable. In Delta State, the drive for environmental compliance is encouraging a gradual but visible shift toward gas-based energy solutions, supported by more responsive permitting and safety-focused oversight.

Regulatory authorities such as the Nigerian Midstream and Downstream Petroleum Regulatory Authority (NMDPRA) have also laid down comprehensive frameworks for LPG plant development. These standards are not only raising the bar for safety and environmental responsibility but also enhancing investor confidence in gas infrastructure projects across the Niger Delta.

With a business-friendly energy policy framework, a maturing local demand base, and a clear push for cleaner, cost-efficient solutions, Warri is ripe for the LPG revolution. The strategic introduction of modern LPG infrastructure will not only empower local businesses to thrive but also solidify Warri's role—not just as an oil capital—but as a model for gas innovation and energy transition in Nigeria.

This is where Tom Chess T Group of Companies Limited enters the conversation—not merely as a construction firm, but as a key enabler in the region's next chapter of energy leadership.

---

### 3. Our LPG Construction Services











At Tom Chess T Group of Companies Limited, we offer end-to-end construction and engineering solutions for LPG plants that meet the energy needs of businesses across Nigeria. With a sharp focus on quality, safety, and regulatory compliance, our team delivers projects that are not only structurally sound but also economically viable and future-ready.

We understand that LPG infrastructure must be designed with precision, constructed with expertise, and operated with reliability. Our services span the entire project lifecycle—from the first site inspection to commissioning and after-sales support.

---

Our Core Services Include:

Each LPG plant we deliver is custom-built to the client's operational needs, site conditions, and market potential. Our integrated services ensure a seamless experience, no matter the size or complexity of the project.

-  **Feasibility Studies & Site Assessment**  
We begin with a detailed evaluation of the proposed location, considering safety clearances, topography, access roads, and environmental impact.
-  **Engineering Design (P&IDs, Layouts, Structural Drawings)**  
Our experienced engineers develop technical drawings, 3D layout plans, and gas flow schematics using modern design software.
-  **Civil Works**  
We handle all construction components including foundations, tank bases, fencing, drainage, security infrastructure, and administrative block works.
-  **Mechanical Works**  
We install above-ground and underground LPG tanks, pipelines, valves, manifolds, and pumps, with attention to material quality and safety.
-  **Instrumentation & Control Systems**  
Our team integrates automated gauges, pressure controls, leak detection, emergency shutoff valves, and other smart devices.
-  **Electrical Works & Automation**  
We install modern power systems, lighting, earthing, and control panels that ensure safe and consistent operations.
-  **Procurement & Equipment Supply**  
We work with reliable manufacturers and suppliers to source world-class, standards-compliant equipment suited to Nigerian conditions.
-  **Installation & Commissioning**  
From structural mounting to pressure testing, we execute installations with strict attention to detail, then commission systems for live use.
-  **Regulatory Compliance Support**  
Our in-house expertise helps clients secure DPR/NMDPRA permits, conduct HSE audits, and obtain all required regulatory documentation.
-  **Training, Handover & Documentation**

We conduct operator training and provide comprehensive handover documentation, SOPs, and safety manuals tailored to the facility.

- ✚ Maintenance, Repairs & Retrofit Services  
We offer servicing, inspections, and upgrade works on both new and existing plants to keep them running optimally and safely.
- 

### Our Design Approach & Use of Technology

We approach every project with a “safety-by-design” mind-set, integrating technical innovation with operational simplicity. All our projects comply with NFPA 58, ISO standards, SON specifications, and NMDPRA regulations.

- ✚ Use of AutoCAD, process simulation tools, and 3D modelling for accurate planning
  - ✚ Safety-focused design elements including fire suppression points and pressure relief systems
  - ✚ Smart instrumentation for real-time monitoring, leak detection, and emergency response
- 

### Project Delivery Timelines

We believe in timely delivery without compromising quality. Each project is managed with clear milestones, reporting structures, and flexible adaptation based on site realities.

- ✚ Mini LPG Skid Plant – ~2 months
  - ✚ Medium-Sized Plant – ~3 months
  - ✚ Large-Scale/Industrial Plant – ~6 months
  - ✚ Fast-track options may be considered depending on pre-site readiness
- 

### Geographic Reach & Capacity

Our operational base is in Warri, Delta State, with on-going expansion into Bayelsa and Edo States. We are equipped to scale our expertise to projects across West Africa, backed by our mobile teams and partner networks.

---

### Client Support & Post-Commissioning Care

Our relationship with the client continues long after handover. We offer full technical support, warranty programs, and periodic maintenance services to ensure the plant continues to perform optimally.

- ✚ On-site training for operations staff
  - ✚ Scheduled and emergency maintenance services
  - ✚ Plant monitoring and operational efficiency audits
-

## Compliance & Safety Assurance

Regulatory compliance is embedded in our workflows. Every project follows safety protocols required by the Nigerian Midstream and Downstream Petroleum Regulatory Authority (NMDPRA) and international safety codes.

- ✚ NFPA 58 – for LPG handling and facility safety
  - ✚ ISO 14001 principles – for environmental management
  - ✚ SON specifications – for material and equipment standards
  - ✚ Environmental protection protocols – built into project execution
- 

Tom Chess T Group of Companies Limited stands out for its technical excellence, regulatory alignment, and customer-focused delivery. Whether it's a mini plant or an industrial-scale facility, we deliver safe, sustainable LPG infrastructure that powers business growth and energy transition across Nigeria.

---



#### 4. Quality, Safety & Compliance Focus

At Tom Chess T Group of Companies Limited, quality and safety are foundational values that guide every stage of our LPG plant construction projects. In a high-risk, highly regulated sector such as gas infrastructure, we understand that compliance is not optional — it is a necessity. That is why we take deliberate steps to ensure our work aligns with the highest standards of regulatory, environmental, and technical performance.

While the company continues to evolve in its implementation of formal quality systems such as ISO 9001, we have already embedded a results-driven, performance-based culture that reflects in our output. Every plant is subjected to thorough pre-commissioning inspections and operational testing to ensure functionality, durability, and safety before handover.

---

##### Site Safety Practices

We maintain an active commitment to health, safety, and environment (HSE) across all construction sites:

- ✚ Daily toolbox talks to ensure awareness and alignment on safe practices
- ✚ Mandatory use of personal protective equipment (PPE) by all personnel
- ✚ First aid stations and emergency protocols established on-site
- ✚ Supervision by a dedicated HSE officer who oversees compliance with safety standards throughout the project lifecycle

These protocols help reduce incidents and contribute to a safer, more productive working environment.

---

##### Regulatory Compliance

Tom Chess T Group ensures every project adheres to the key statutory requirements that govern LPG plant construction and operation in Nigeria:

- ✚ Full alignment with Nigerian Midstream and Downstream Petroleum Regulatory Authority (NMDPRA) guidelines
- ✚ Design and execution according to NFPA 58 safety code for LPG storage and handling
- ✚ Compliance with Standards Organisation of Nigeria (SON) specifications for equipment and materials
- ✚ Integration of environmental best practices, including emission control and proper waste handling

These measures not only build stakeholder trust but also reduce operational risk for clients.

---

##### Built-In Safety Features

Our LPG plant designs incorporate industry-recommended safety infrastructure and preventive systems to protect life, property, and the environment:

- ✚ Fire suppression systems strategically installed for emergency response
- ✚ Emergency shutoff valves integrated to prevent over-pressurization and uncontrolled flow
- ✚ Gas leak detection systems to quickly identify faults or abnormal conditions
- ✚ Adequate tank spacing, perimeter fencing, and secured access points in line with safety zoning requirements

These features are designed to create safe, dependable plants that function with minimal risk.

---

## Licensing and Approvals

We hold the necessary approvals to operate within the sector and continue to strengthen our credentials:

- ✚ Licensed by NMDPRA to construct and commission LPG facilities
  - ✚ Progressing toward full SON certification for applicable operations and equipment
  - ✚ ISO-related processes are under consideration to enhance long-term quality assurance frameworks
- 

## Staff Development & Awareness

Although formal technical and safety training programs are being expanded, our team is actively engaged through on-site guidance, mentorship, and project-based learning, ensuring that each staff member performs with attention to safety and precision.

---

At Tom Chess T Group, our approach to quality and safety is built on practical execution, compliance with legal and regulatory expectations, and a continuous commitment to improvement. We don't just build LPG infrastructure — we build it responsibly, safely, and with lasting impact.

---

## 5. Why Choose Tom Chess T Group of Companies Limited

Tagline: "Building Perfection"

With over 25 years of experience in gas infrastructure development, Tom Chess T Group of Companies Limited has consistently delivered safe, reliable, and high-performance LPG plant projects across Nigeria. Our reputation is built on trust, technical excellence, and a long-standing commitment to client satisfaction.

From site feasibility to final commissioning, we provide a truly end-to-end service model that eliminates stress, ensures compliance, and delivers perfection—every time.

---

### Why Our Clients Trust Us

- ✚ Timely Project Delivery – We work with strict timelines and structured execution plans
  - ✚ Regulatory Expertise – We handle NMDPRA approvals, compliance checks, and safety codes with ease
  - ✚ Competitive Pricing – High-quality work delivered within your budget
  - ✚ Strong Engineering Team – Highly skilled professionals across civil, mechanical, and instrumentation disciplines
  - ✚ End-to-End Delivery – From design and procurement to installation and training
  - ✚ Premium Equipment & Materials – Durable systems that perform for years
  - ✚ Customized Design Approach – Each project tailored to the site, business model, and local context
  - ✚ Nationwide Capability – Operational footprint in Delta, Abuja, and expanding to Bayelsa and Edo States
  - ✚ After-Sales Support – We stay with you post-handover through servicing and technical support
  - ✚ Local Knowledge Advantage – Deep understanding of terrain, logistics, and local regulatory bodies
- 

### What Sets Us Apart

Tom Chess T Group is more than a construction company — we are solution providers in Nigeria's clean energy transition. While many contractors focus on structures alone, we focus on functionality, safety, sustainability, and business impact.

We are known for:

- ✚ Integrity that builds trust
- ✚ Reliability that drives referrals
- ✚ Innovation that reduces cost and complexity
- ✚ Safety-first culture that protects people and assets

One of our standout achievements includes the successful delivery of the Add-on Gas Plant at Efezino Petrol Station — a project that exemplifies our ability to integrate LPG solutions seamlessly into existing infrastructure while meeting tight schedules and regulatory benchmarks.

---

When you choose Tom Chess T Group, you are choosing a partner who understands the full picture: technical execution, regulatory navigation, local realities, and long-term business growth.

We don't just build gas plants —  
We build perfection.

---

## 6. Let's Build Perfection Together

Whether you're planning a mini skid LPG plant, an add-on gas facility, or a full-scale industrial installation, Tom Chess T Group of Companies Limited is ready to bring your vision to life.

Our team is available to discuss your project, conduct site evaluations, and provide guidance tailored to your business goals. Let's help you build a safe, compliant, and profitable LPG infrastructure—designed to last and ready to serve.

We welcome inquiries, partnership proposals, and technical consultations.

---

### Contact Us

Tom Chess T Group of Companies Limited  
RC: 903532  
NNPC Housing Complex, Ekpan,  
Uvwie, Warri, Delta State, Nigeria

Phone: **08143449981**  
Email: [info@chesstgroup.com.ng](mailto:info@chesstgroup.com.ng)  
Website: [www.chesstgroup.com.ng](http://www.chesstgroup.com.ng)

---

### ***Ready to get started?***

***Reach out today and take the first step toward building perfection with a trusted partner in LPG plant construction.***

---