



#### 4. Road Testing and Certification

After installation and testing, the vehicle undergoes rigorous road tests to verify performance and fuel efficiency. Upon successful testing, we provide compliance certifications to ensure your vehicle meets regulatory requirements.

#### Efficiency, Safety, and Benefits

- **Fuel Savings:** CNG is significantly cheaper than petrol or diesel, helping you save on fuel costs.
- **Reduced Emissions:** CNG emits fewer pollutants; contributing to a cleaner environment and helping you comply with emission regulations.
- **Improved Engine Life:** CNG burns more cleanly, reducing engine wear and extending its lifespan.
- **Safety First:** Our process incorporates rigorous safety checks and certified components, ensuring your vehicle operates safely with CNG.

With our expertise, Chess T Group delivers a professional, secure, and cost-effective CNG conversion that aligns with your sustainability goals while maximizing efficiency

#### THE FUTURE OF CNG IN NIGERIA

The Nigerian government has been proactive in encouraging the adoption of CNG and other clean energy sources. Initiatives such as the National Gas Expansion Programme (NGEP) are paving the way for increased use of natural gas in the transportation sector. As a company that aligns with the nation's vision for energy transformation, Tom Chess T Group is at the forefront of driving this change. We believe that CNG is the fuel of the future, and our CNG Vehicle Conversion and Refueling Plant Construction services are designed to support Nigeria's transition to a cleaner, more sustainable energy landscape.

#### Closing Remarks

At Tom Chess T Group, we are committed to shaping the future of energy and transportation in Nigeria and beyond. Our expertise in CNG Vehicle Conversion and Refueling Plant Construction is just one of the many ways we are driving sustainable growth and innovation. We look forward to partnering with you as we continue to lead the way in clean energy solutions.

Together, let's build a cleaner, greener tomorrow.

#### Our Offices and Contact Information

We invite you to get in touch with us to learn more about our services or to discuss your specific project requirements. Our offices in Abuja and Port Harcourt are fully equipped to handle all inquiries and provide personalized service.



At Chess T Group, we specialize in seamless and efficient CNG vehicle conversions that prioritize safety, performance, and sustainability. Our step-by-step process is designed to ensure your vehicle's transition to compressed natural gas (CNG) is smooth and reliable, unlocking cost savings and environmental benefits. Here's a brief overview of the key steps:

#### 1. Vehicle Assessment

We begin with a comprehensive evaluation of your vehicle's engine and overall condition to ensure compatibility with CNG technology. This step guarantees that the conversion is both safe and effective.

#### 2. Installation of the CNG Kit

Our certified technicians expertly install the CNG conversion kit, which includes:

- A high-quality CNG cylinder.
- Pressure regulators and injectors.
- An electronic control unit (ECU) for fuel management.

The entire installation process adheres to international safety standards, ensuring long-term reliability.

#### 3. Calibration and Safety Testing

Once the system is in place, we thoroughly test and calibrate the engine for optimal performance with CNG fuel. This includes:

- Leak detection and pressure testing.
- Engine diagnostics to ensure smooth switching between CNG and petrol/diesel modes.

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# TOM CHESS-T GROUP OF COMPANIES LIMITED

...WE DO IT DIFFERENT AND THINK DIFFERENT



## LEADING THE FUTURE OF CLEAN ENERGY WITH CNG VEHICLE CONVERSION AND REFUELING PLANT CONSTRUCTION

### MESSAGE FROM THE EXECUTIVE GROUP CHAIRMAN

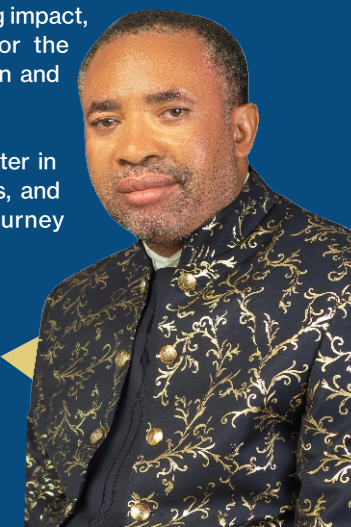
Dear Partners, Clients, and Stakeholders, it is with great pride and excitement that I welcome you to this edition of the Tom Chess T Group Newsletter. As we stand on the cusp of a new era in energy transformation, Tom Chess T Group is poised to lead with innovative solutions that drive sustainable development and cleaner energy alternatives. In line with this vision, we are thrilled to announce the expansion of our service offerings into the construction of CNG (Compressed Natural Gas) Vehicle Conversion and Refuelling Plants.

This venture represents our unwavering commitment to pushing the boundaries of possibility, combining our vast experience in petrol filling station construction with cutting-edge advancements in clean energy technology. Our aim is to provide end-to-end services that ensure a seamless transition to more sustainable fuel options, which not only meet regulatory standards but also exceed the expectations of our valued clients.

As the world grapples with the pressing challenges of environmental sustainability and carbon emissions, the shift towards cleaner energy alternatives is no longer an option – it is an imperative. At Chess T Group, we are not just participating in this transformation; we are leading it. This initiative embodies our mission to create lasting impact, building a better future not only for the automotive industry but for our nation and generations to come.

We invite you to explore this newsletter in depth, learn more about our services, and join us in this ground-breaking journey towards a greener tomorrow. Warm regards,

**AUC. THOMPSON O.S. DOUGLAS**  
FIMC, ARPM, MCPN, MINCS, IMCAI, MISPON, MITAN, MNIG  
Executive Group Chairman/CEO  
Lead Management Consultant



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# INTRODUCING CNG VEHICLE CONVERSION AND REFUELLING PLANT CONSTRUCTION

The growing global focus on reducing carbon emissions, improving air quality, and achieving energy efficiency has significantly transformed the way industries operate. One such transformative shift is the adoption of Compressed Natural Gas (CNG) as a cleaner alternative to conventional fossil fuels in the automotive sector. CNG is rapidly gaining traction worldwide as the preferred alternative for petrol and diesel, given its lower emissions, cost efficiency, and abundant availability.

At Tom Chess T Group of Companies, we have long recognized the need for environmentally responsible solutions in energy and transport. Our new CNG Vehicle Conversion and Refueling Plant Construction services represent the next step in our company's legacy of excellence, innovation, and sustainability. By leveraging our vast experience in the construction of petrol filling stations and our in-depth knowledge of fuel technologies, we are prepared to deliver state-of-the-art CNG plants that meet the highest international standards.

## The Need for CNG in Today's World

The transportation industry is one of the largest contributors to greenhouse gas emissions. This reality has driven governments and industries worldwide to look for greener alternatives. CNG has emerged as one of the most viable solutions, offering a 25-30% reduction in CO2 emissions compared to petrol and diesel-powered vehicles.

## CNG offers numerous benefits, including:

- **Reduced Emissions:** CNG is a cleaner-burning fuel that produces fewer pollutants, significantly improving air quality.
- **Cost Efficiency:** CNG is cheaper than traditional fuel types, resulting in substantial cost savings for vehicle operators.
- **Safety:** CNG is less flammable than gasoline or diesel, and its storage tanks are built to withstand higher pressure and heat, making it a safer option for vehicles.
- **Abundance:** Natural gas is widely available, offering energy security and reducing reliance on imported oil.

As countries like Nigeria begin to place a stronger emphasis on reducing their carbon footprint and embracing cleaner technologies, the demand for CNG vehicle conversions and refueling infrastructure has never been more critical.

## Why Choose Tom Chess T Group for Your CNG Plant Construction Needs?

At Tom Chess T Group, our approach to CNG plant construction is holistic. We provide a full suite of services designed to cover every aspect of the project lifecycle, ensuring seamless delivery from concept to completion. Our services include:



1. **Design and Planning:** With our expert team of engineers and architects, we design and plan every CNG plant to meet international standards, incorporating the latest technology and sustainability practices.
2. **Construction and Installation:** Our construction capabilities are second to none. We deliver high-quality construction services with precision and speed, ensuring minimal disruption to our clients' operations.
3. **CNG Vehicle Conversion:** We offer advanced conversion services for vehicles, making it easy for companies and individuals to switch to CNG fuel. Our team ensures that every converted vehicle meets safety and performance standards.
4. **Maintenance and Support:** After the construction and setup of the plant, we offer on-going maintenance and support to ensure smooth operations and longevity of the facility.
5. **Regulatory Compliance:** Our deep understanding of Nigeria's regulatory framework allows us to navigate the complexities of compliance, securing all necessary permits and ensuring that every project adheres to national and international guidelines.



## A Trusted Legacy of Excellence

Founded in 2010, Tom Chess T Group of Companies Limited has established itself as a leader in the construction and energy sectors. Our journey began with a vision to redefine the standards of quality, efficiency, and innovation across a broad range of services, from petrol filling station construction to LPG and CNG plant development. Over the years, we have grown and expanded, adding cutting-edge services like architectural animation rendering, real estate agency services, and digital congratulations card production to our portfolio.

Our success is rooted in our commitment to excellence and our unwavering focus on client satisfaction. By fostering a culture of continuous improvement, we ensure that every project we undertake exceeds expectations. We believe that the future of energy lies in clean, sustainable technologies, and our CNG Vehicle Conversion and Refueling Plant Construction services are a natural extension of this philosophy.

## Our Commitment to Sustainability

At Tom Chess T Group, sustainability is not just a buzzword; it is a core principle that drives every aspect of our business. We understand the environmental impact of traditional fuel sources and are dedicated to promoting cleaner, greener alternatives. Through our CNG Vehicle Conversion and Refueling Plant Construction services, we aim to contribute to the global efforts to reduce carbon emissions and combat climate change.

Our commitment to sustainability is reflected in our:

- **Eco-Friendly Designs:** We incorporate sustainable practices in every project, from energy-efficient lighting systems to eco-friendly building materials.
- **Waste Management:** We ensure that all waste generated during the construction process is minimized and properly managed, reducing our environmental footprint.
- **Community Engagement:** We engage with local communities to ensure that our projects not only benefit the environment but also have a positive social and economic impact.

# KEY SUCCESS STORIES

Over the past 2 decades, Tom Chess T Group has successfully completed a wide range of projects across Nigeria, cementing our reputation as a trusted and reliable partner in the energy and construction industries. Some of our notable achievements include:

- **Petrol Filling Station Construction:** We have designed and constructed state-of-the-art petrol stations across various locations, providing innovative solutions that meet client specifications and regulatory requirements.
- **LPG and CNG Plant Development:** We have been at the forefront of LPG and CNG plant construction, helping clients transition to cleaner energy sources with ease and confidence.
- **Architectural Animation Rendering:** Our architectural animation services have helped clients visualize their projects before construction, enabling better planning and execution.
- **Real Estate Agency Services:** Our real estate division has facilitated the successful acquisition and sale of properties, offering expert guidance throughout the process.

Each of these projects has been a testament to our dedication to quality, innovation, and customer satisfaction.

