



## Energy Transition

### Focus Areas:

LPG Plant Design, Installation, Commissioning, Equipment Supply, Autogas Systems, and LPG Distribution

## Business Model

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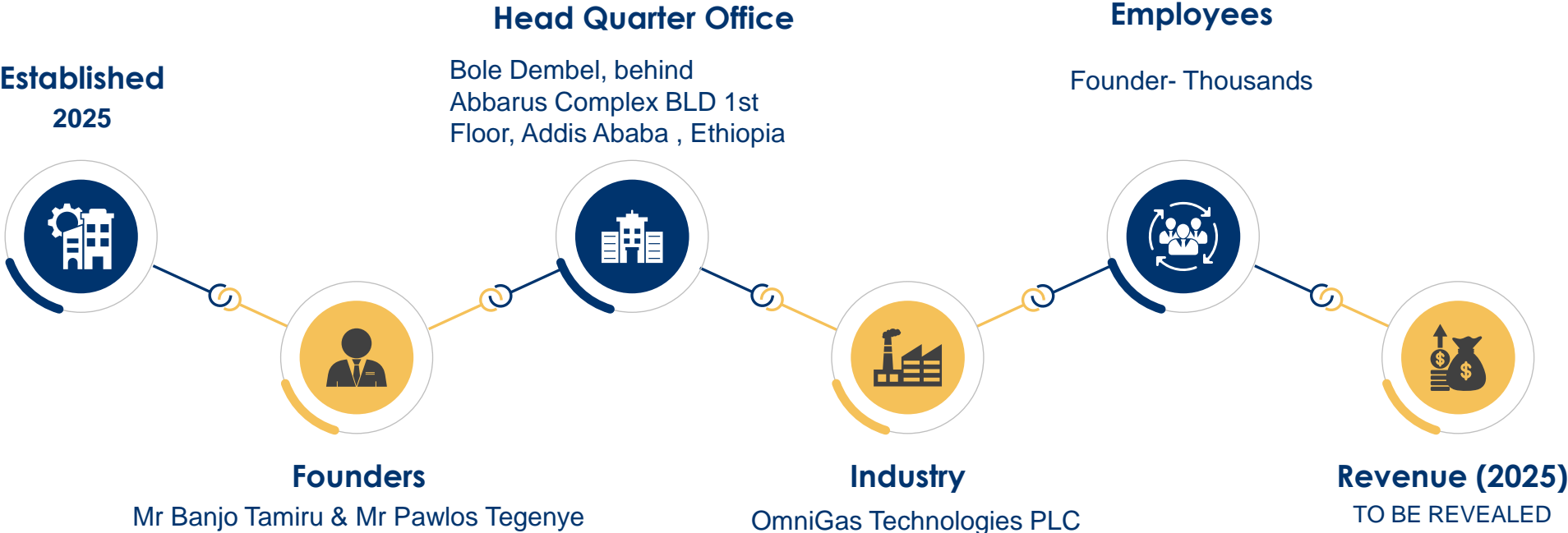
# Company overview

## Vision

To become a leading provider of safe, efficient, and innovative LPG infrastructure and solutions worldwide

## Mission

To deliver turnkey LPG systems, from concept to commissioning, with uncompromised safety, engineering excellence, and sustainability.



# Powering Ethiopia's Energy Shift: From Diesel → Petrol → LPG → EVs

**Impact:** Promotes cleaner energy / Reduces fuel costs / Enhances vehicle performance / Supports Ethiopia's green transition



Create certified vehicle conversion centres across the country



Plant fully equipped workshops for installing modern sequential injection kits.



**Technology:**  
Advanced systems suitable for 4–8-cylinder engines, ensuring optimal performance.



**Fuel Storage:**  
Includes 40–60-liter LPG tanks for safe and efficient fuel use.

# OGT 9 SAFETY PROTECTIONS



# Powering Ethiopia's Energy Shift: From Diesel → Petrol → LPG → EVs



Stop Ethiopia's reliance on imported refined fuels



Primary Domestic Energy Source



Autogas (LPG) provides a bridge solution between fossil fuels and EVs.



Aligns with Ethiopia's climate targets, including its Nationally Determined Contributions (NDCs).

# Adoption of LPG Conversion Models

## Moving Towards LPG and Pipeline Cleaning Systems :

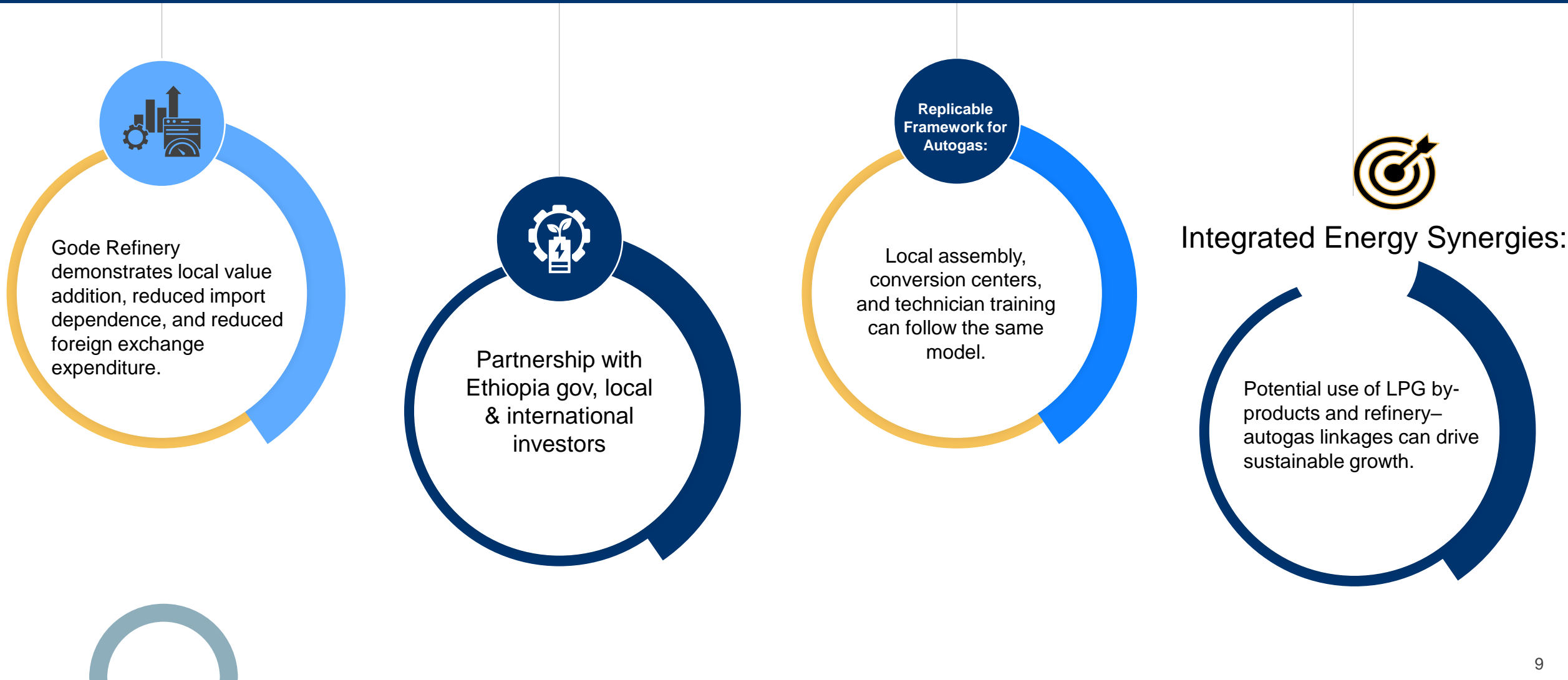


# Technological Innovation and Cost Efficiency

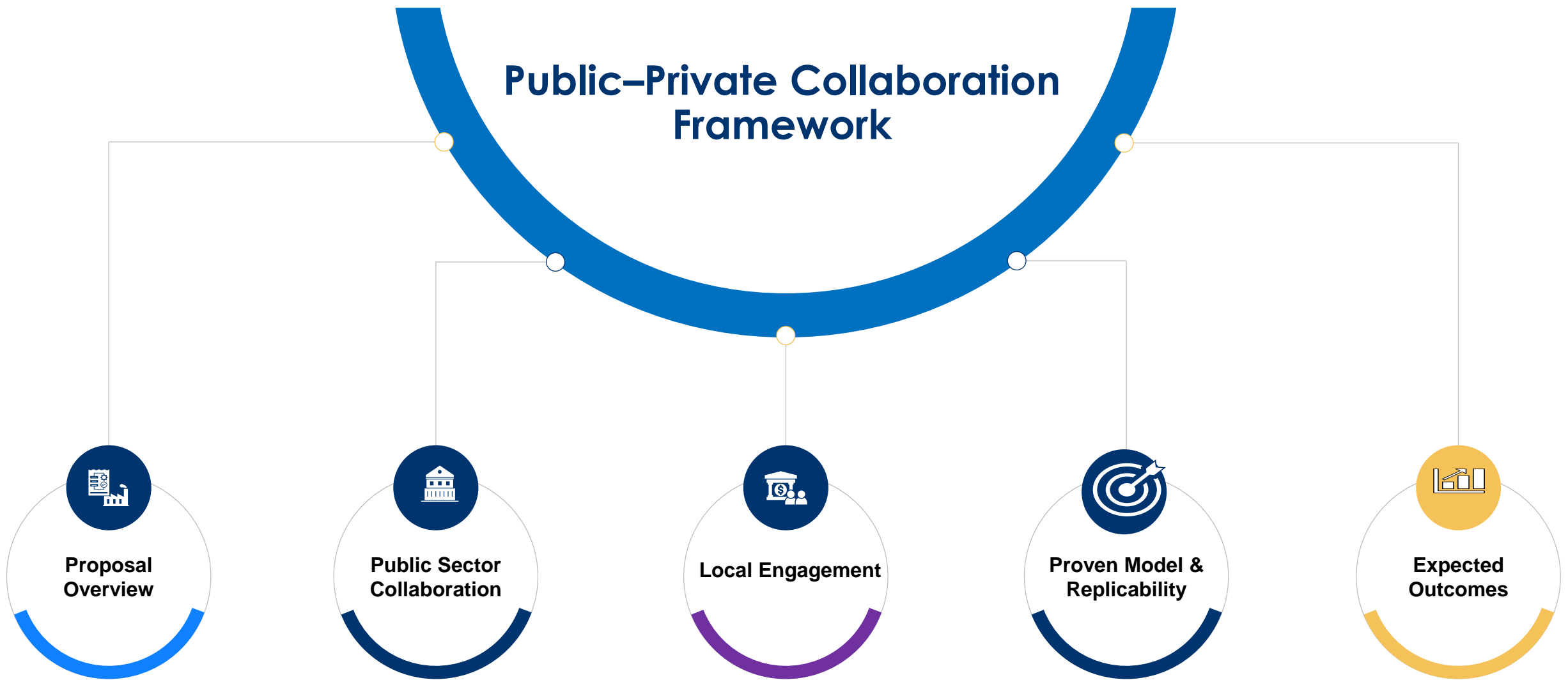




# Powering Ethiopia's Energy Shift: From Diesel → Petrol → LPG → EVs



# Public–Private Collaboration Framework



- OGT Engineering seeks collaboration with ET-GOV local & global stakeholders to expand clean energy infrastructure, replicating its proven model

- Policy support for favorable regulations, land allocation for fill station development, and import duty waivers on equipment will be crucial to attract investment and enable project rollout.

- Local can contribute technical expertise, invest in fill station infrastructure, and participate in skill development programs to strengthen local capacity.

- Converted over 5,000 vehicles in majority of Africa countries
- 50+ fill stations

- The partnership will accelerate Ethiopia's clean energy transition, create skilled jobs, and build a sustainable public–private ecosystem for long-term growth.

# Awareness and Policy Support Initiatives

## Public Awareness Campaigns

- Launch targeted outreach for taxi and shuttle operators, fleet owners, and mechanics to promote LPG adoption and highlight cost and safety benefits.



## Policy Levers

- Implement supportive measures such as **tax incentives, conversion subsidies, and LPG price regulation** to make the transition economically attractive.



## Capacity Building

- Develop **training programs for local technicians**, ensure **warranty and after-sales support**, and introduce **safety certification standards** for credibility.



## Pilot Implementation – Addis Ababa

- Begin with a **pilot program in Addis Ababa** to test the model, refine regulatory frameworks, and demonstrate commercial and operational feasibility.

# Infrastructure and Investment Challenges

## LPG Supply Chain Needs:



- Installation of **4-ton storage tanks**, **high-flow pumps**, and proper **site licensing** for fill stations.



## Supply Outlook



- The Gode Refinery guarantees sustainable LPG production, enabling Ethiopia to achieve long-term energy self-reliance

## Capital Requirements



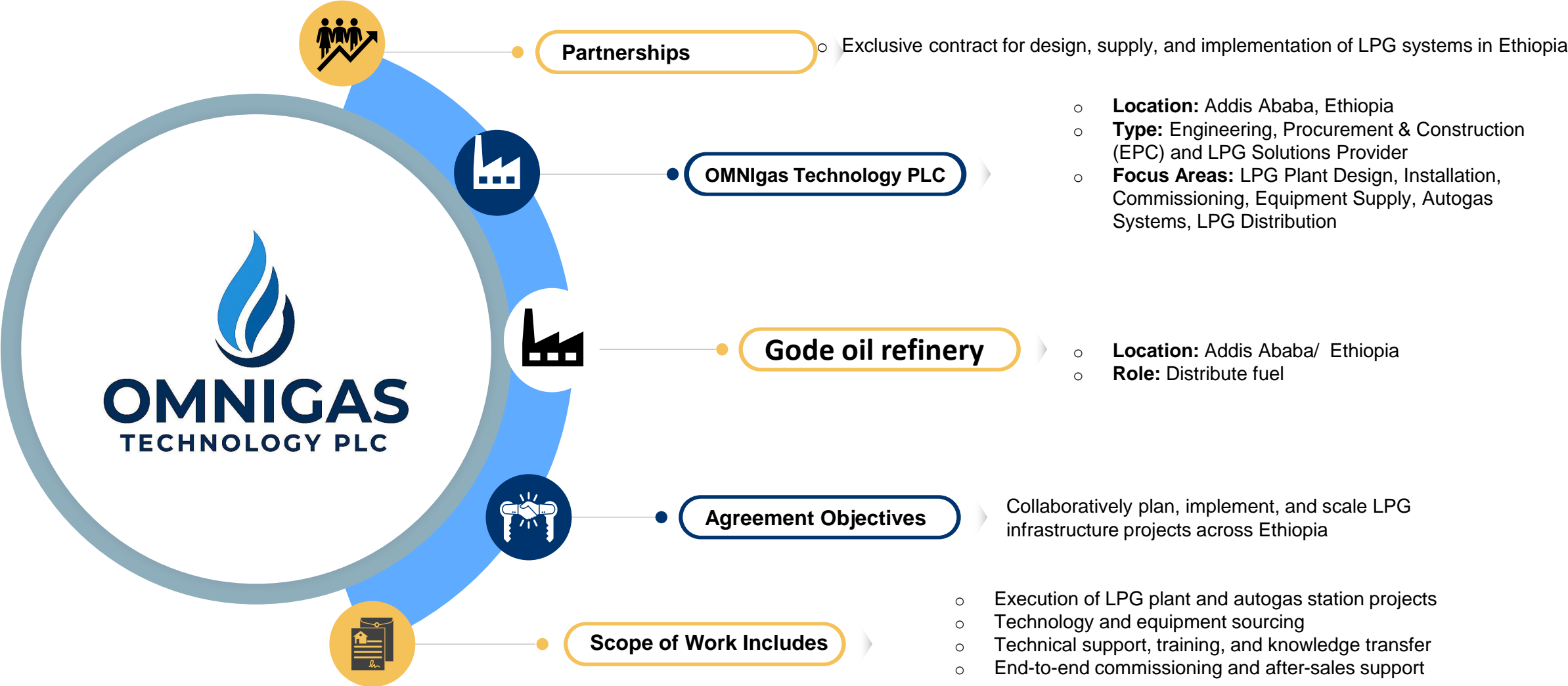
- Significant **initial investment** required to establish **conversion hubs and filling infrastructure**.

## Financial Proposition



- Fast **return on investment (ROI)** achievable through **volume-driven profit margins** as adoption scales.

# Partnership Agreement



# SWOT Analysis

## Strengths

- **Proven track record:** Over 5,000 vehicle conversions and 50+ fill stations established in Kenya.
- **Strong market demand:** Large petrol fleet and high adoption potential in public transport due to up to **30-50 % fuel cost savings**.
- **Environmental impact:** Achieves **10–15% CO<sub>2</sub>** and **90% particulate matter** reduction.

## Threats

- **Market and policy risks:** Rapid EV adoption, regulatory shifts, and LPG price volatility may affect long-term viability.
- **Perception challenges:** Public safety concerns and emerging alternatives like biofuels or dual-fuel technologies pose competitive threats.



## Weaknesses

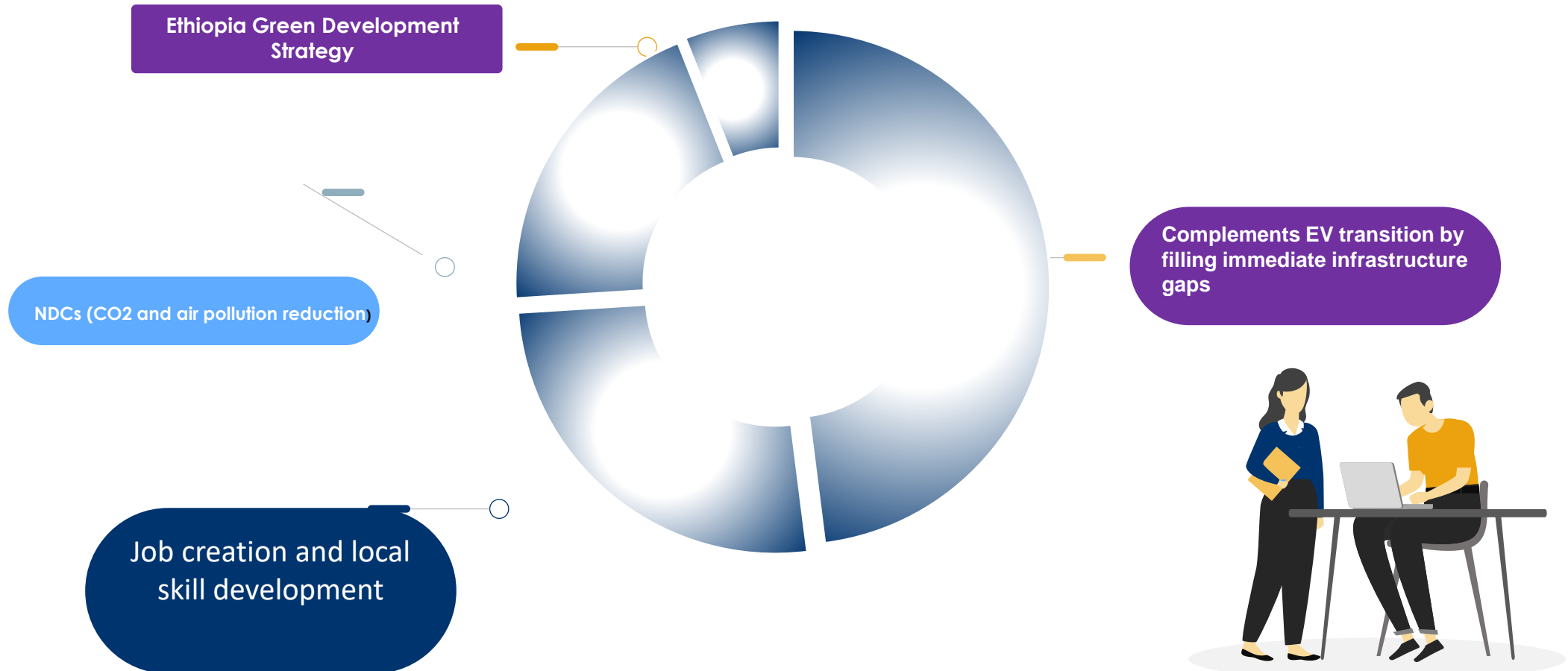
- **Operational and financial challenges:** High capital investment, dependency on stable government policies, and need for strong market adoption to ensure profitability.
- **Ecosystem limitations:** Reliance on imported LPG kits, limited local technical expertise, and low operator awareness.

## Opportunities

- **Policy and partnership support:** Ethiopia clean energy drive and potential government incentives favor LPG adoption, with a strong collaboration scope with fuel suppliers and transport unions.
- **Scalability:** Proven model offers rapid expansion potential across cities and regional markets.

# Contribution to Sustainable Energy Goals

Autogas aligns with:



# Thanks for watching !



**Address**

Addis Ababa, Ethiopia



**Contact number**

251 921430392



**Email address**

[info@omnigas.com](mailto:info@omnigas.com)

