



Opportunities for Downstream Gas Infrastructure Expansion: The view from WAGP

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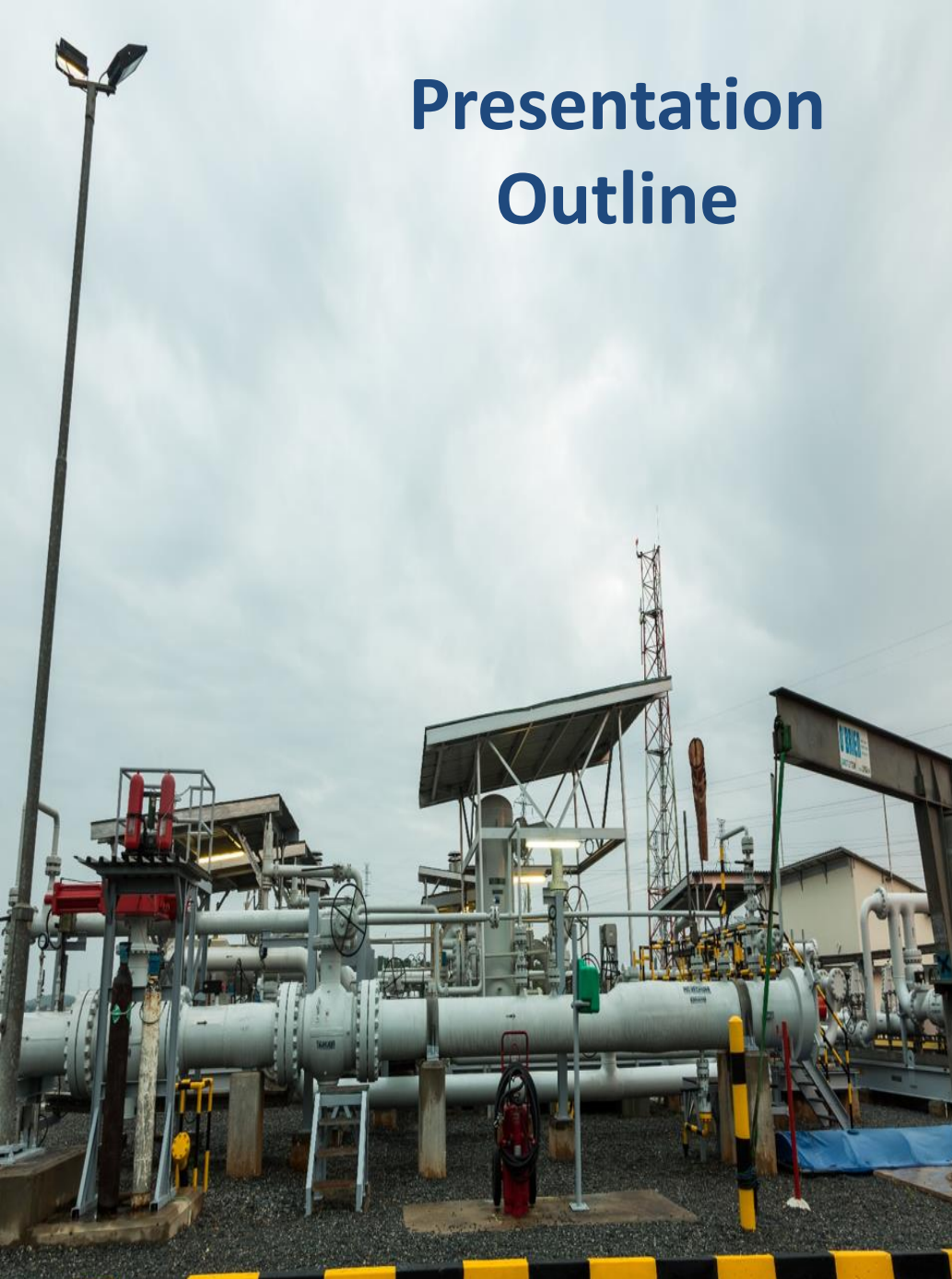
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Presentation Outline



- **Who We Are**
- **Our 10-Year Journey of Excellence**
- **Opportunities for Downstream Gas Infrastructure Expansion**
- **Recommendation/Conclusion**

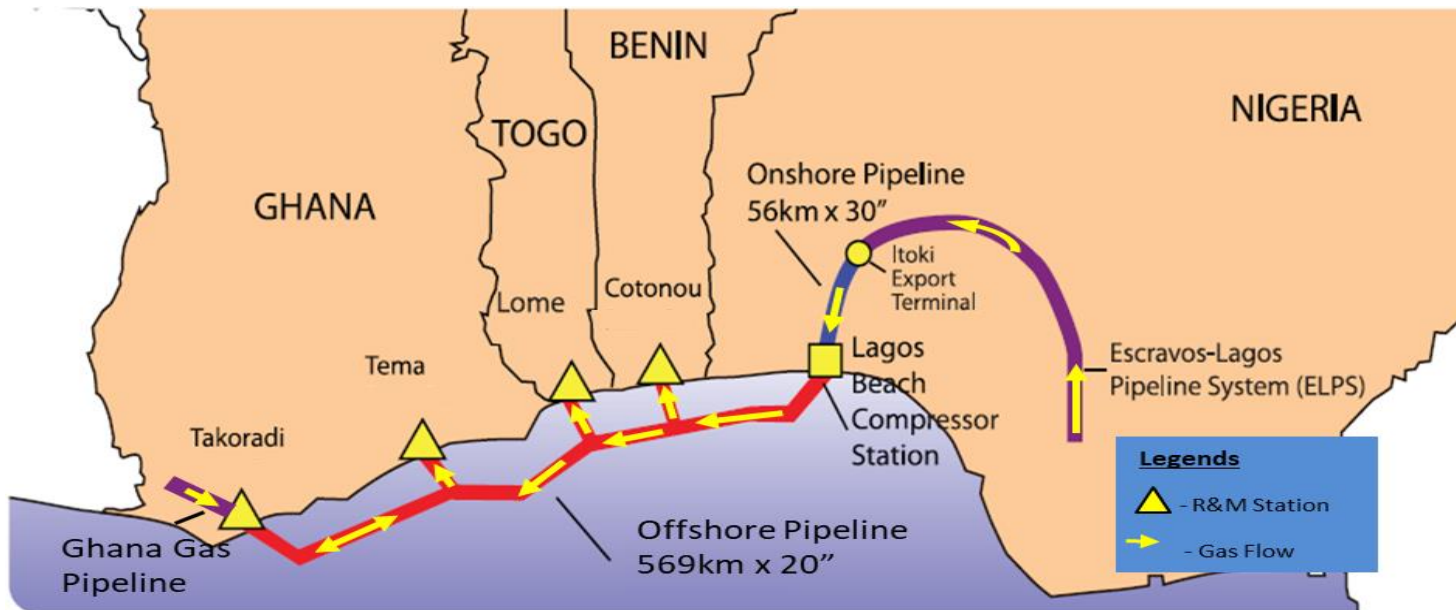


West African Gas Pipeline Company (WAPCo)

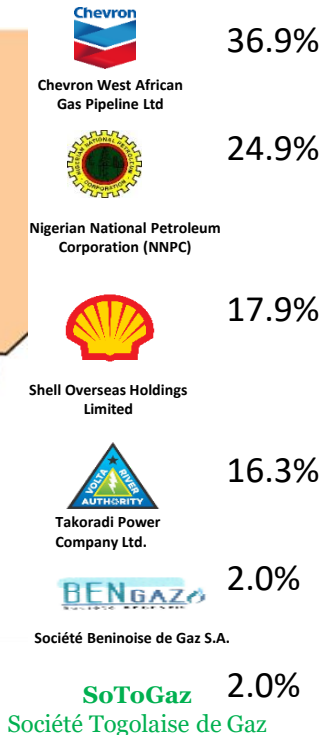


Who We Are and What We Do

- WAPCo is a private company that owns and operates the West African Gas Pipeline (WAGP) system. WAGP is an ECOWAS inspired project and complements the West African power market.
- The WAGP is a an international “Open Access” gas transmission system
- WAPCo’s mission is to transport natural gas from producers in Nigeria and Ghana to consumers in Benin, Togo, and Ghana



WAPCo Ownership Structure



- WAPCo is regulated by the West African Gas Pipeline Authority (WAGPA). Energy Ministers from Ghana, Nigeria, Benin and Togo also serve as members of Committee of Ministers (CoM) providing governing functions

A Decade of Commercial operations



Pioneered gas transportation in the Sub-region

- Delivered over 225 BCF (~40 million barrels of oil equivalent) and WAGP continue to provide Ghana with access to approximately 210TCF of competitive gas reserves across WAGP states
- Continuous expansion of our facilities to meet Ghana's increased demand for natural gas. WAPCo has already expanded the Takoradi and Tema metering stations to enable increase delivery of gas to Tema. We have seen record delivery of volumes from both western Ghana and from Nigeria
- Promoting the optimization of gas resources in the subregion including Nigeria and Ghana
- 7+ years and over 9mln workforce hours without recordable Incident for staff and Contractors
- WAPCo's Community Development initiatives have had meaningful and measurable impacts in the 4 WAGP countries (comprising 54 communities and 15 municipalities)
- WAGP continues to contribute to sub-regional economic and social growth – Diversified workforce, Digitization Drive and Competency of our workforce

Opportunities for Downstream Gas Infrastructure Expansion

Collaboration amongst Stakeholders to Meet Growing Demand



- **Collaborative approach within the sector**
 - Require a balanced approach to both upstream and downstream development
 - Strategic look of things to balance reliability and efficiency of gas supply
 - Promote system network coordination and discipline and increase system flexibility. WAGP network Code is an example of efforts towards flexibility
 - Tema-Takoradi Interconnection Project (TTIP): A good example of collaboration among GoG (MoE), GNGC, GNPC, ENI etc.
- **Promote gas utilization including industrial demand**
 - Need to incentivize industrial utilization
 - Competitiveness of gas price. Capacity utilization
 - WAGP already provide discounted tariff for industrial usage
 - Reliability of current gas infrastructure. WAGP has embarked on several reliability programs in recent times (optimization of compressor pressure intake range)
- **Robust Legal & Regulatory Framework**
 - Clear policy on industrial usage
 - Security of assets and right of way
 - Improve value chain payment for energy

Opportunities for Downstream Gas Infrastructure Expansion

WAPCo presents an opportunity to GROW



- ✓ Tema facility is only 60% utilized. Room for additional growth at Tema
- ✓ Competitiveness. Increased utilization of capacity to drive gas price downwards
- ✓ Helping to create a network hub within the sub region
- ✓ Strategically linking resources to leverage on each other. WAGP present opportunity for Ghana to explore other markets
- ✓ WAGP continue to embark on several reliability programs to ensure the pipeline is readily available to meet gas transportation needs within the sub region
- ✓ Low emission, cleaner than alternative fossil fuels



**Thank you for listening.
Any Questions**

Recommendation/Conclusion

Partner of choice for safe, reliable and efficient use of gas



Enormous Opportunities exist for downstream gas development but requires:

- Collaborative efforts;
- Competitive market and;
- Growth mindset



THANK YOU !!!



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