



POWERING THE FUTURE OF CLEAN ENERGY

ENGINEERING BIO-CNG WITH INNOVATION,
EXPERIENCE & GLOBAL EXCELLENCE



VA TECH WABAG LIMITED
PURE PLAY WATER TECHNOLOGY

WABAG.COM

DRIVING SUSTAINABILITY THROUGH ADVANCED BIO-CNG SOLUTIONS

Our Bio-CNG solution is built on decades of expertise in anaerobic digestion, process innovation, biogas generation, and technological optimization. With a proven track record of executing and operating successful projects worldwide, we bring unmatched reliability and global standards to every installation.

By combining advanced technologies with deep operational know-how, we ensure optimum biogas yield and seamless conversion into high-quality Bio-CNG. This best-in-class solution reflects our commitment to engineering excellence, sustainability, and innovation — delivering clean energy that is efficient, scalable, and future-ready.

OUR VALUE PROPOSITION FOR BIO-CNG

- **Decades of Proven Expertise** – Extensive experience in wastewater management and clean energy generation.
- **Innovation & Optimization** – Advanced technologies to maximize biogas yield and optimize conversion to Bio-CNG.
- **Strong Track Record** – Successful execution and operation of wastewater-to-energy projects worldwide.
- **Global Standards, Regional Pride** – International quality benchmarks adapted to regional needs.
- **End-to-End Solutions** – From design and installation to O&M, ensuring reliability and efficiency.
- **Sustainability at Core** – Reducing carbon footprint and enabling a circular economy.
- **Future-Ready Energy** – Scalable solutions designed for long-term performance in the clean energy transition.

OUR EXPERIENCE AND CAPABILITIES IN CLEAN ENERGY



..... **34+** Green Energy Projects
Installed Globally

... Installed Capacity of
41+ MW Green Energy

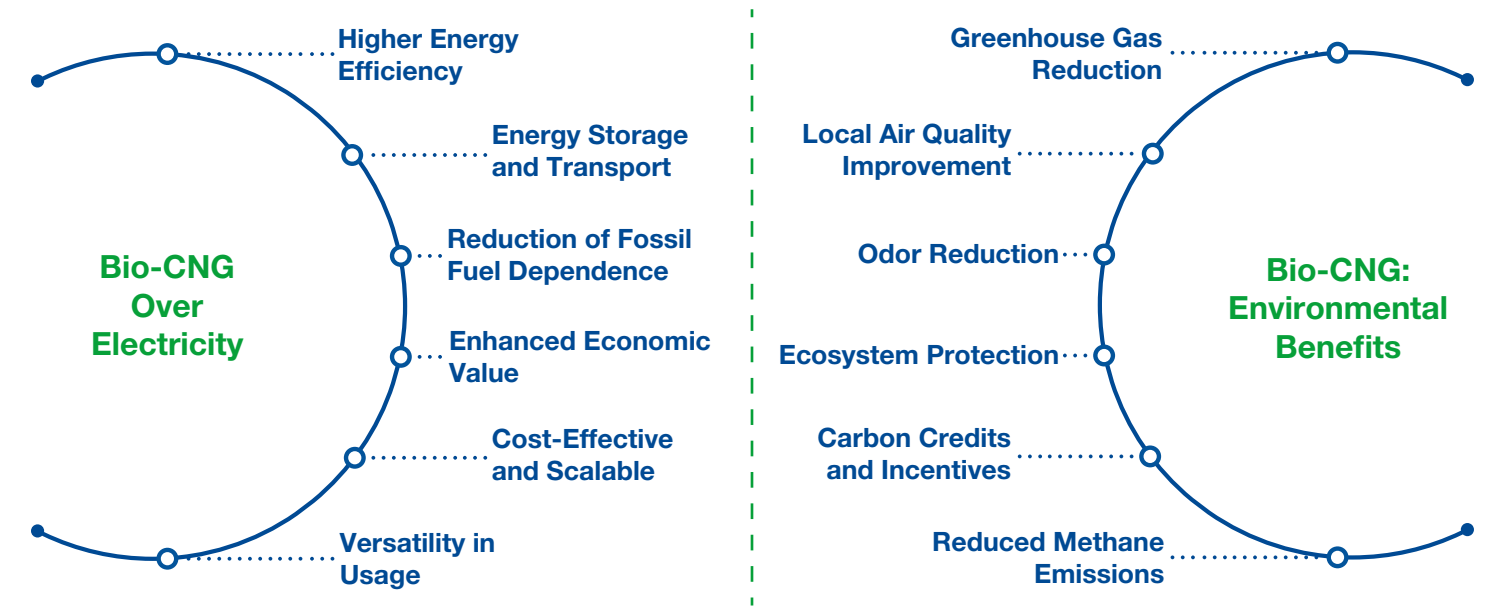
... GHG reduction Potential
630+ tonnes/day

..... **25+** years of experience in
Green energy generation

Our Flagship Bio-CNG Project at Ghaziabad: This key project will convert raw biogas from the STP into high-value Compressed Biogas, showcasing our expertise in complex, large-scale waste-to-energy solutions on a municipal scale.

Parameters	Biogas	Bio-CNG/CBG	CNG
Methane (CH4)	55-65%	95-98%	91%
Other Hydrocarbons	NA	NA	8%
CO ₂	35-45%	2-5%	0.60%
H2S (ppm)	500-30,000 ppm	<3 PPM	<20 ppm
Moisture (°C dew point)	Saturated	<-55 °C	<-40 °C
Calorific Value (LCV)	20-25 MJ/Kg	52 MJ/Kg	50 MJ/Kg

BIO-CNG BENEFITS



OUR KEY PROJECTS IN CLEAN ENERGY





WABAG GROUP

VA TECH WABAG LIMITED, an industry leader in total water management, carries a legacy of over 100 years. As a pure-play water technology multinational, WABAG operates across four continents, delivering a diverse range of solutions to address critical water and environmental challenges worldwide. Aligned with the UNSDGs and ESG principles, WABAG emphasizes conservation, optimization, and resource reuse, positioning itself as a trusted partner for sustainable and liveable futures. With a proven track record of over 6,500 successfully executed projects globally, WABAG has consistently delivered quality while adhering to deadlines.

Employing around 2,000 water professionals across 25 countries and touching millions of lives daily, WABAG provides comprehensive technologies and services for Total Water Solutions in both municipal and industrial sectors.

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GLOBAL PRESENCE

WABAG EMPLOYS OVER
2,000 EMPLOYEES IN
>25 COUNTRIES.



FOR MORE DETAILS
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