



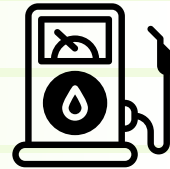
HiPr
BIO 

The text 'HiPr' is in a green, serif font with a red dot above the 'i'. Below it, 'BIO' is in a larger, bold, green, serif font. To the right of 'BIO' is a simple line-art icon of a leaf.

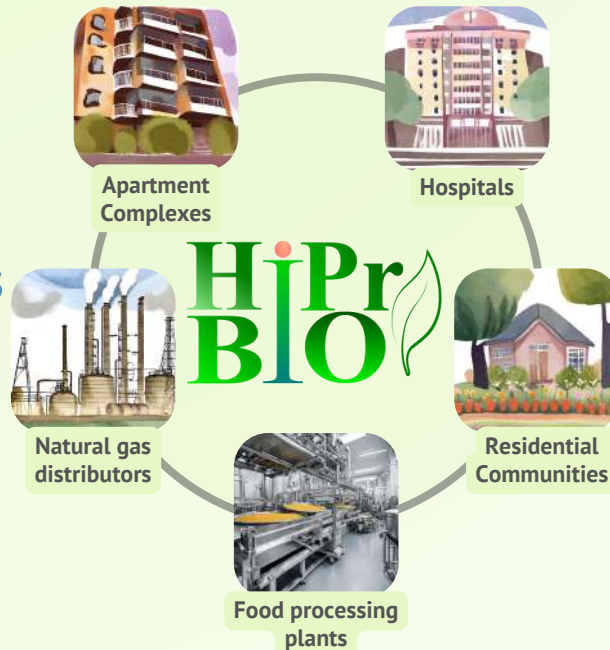


Why HiPrBio?

- ✓ Highly purified Bio-CNG at 50% of the operating cost
- ✓ Renewable alternative to Natural gas
- ✓ Bio fertilizer as biproduct
- ✓ Ideal technology for both centralized and decentralized plants
- ✓ Efficient biodegradable waste management
- ✓ Increased process stability
- ✓ Adaptable to be a direct source of fuel for automobiles
- ✓ No foul odour during gas production.



Target Implementations



HiPrBio vs existing Bio-CNG techniques?

- ✓ No need for scrubbing
- ✓ Biological auto compression upto 50 bar
- ✓ Retention time reduced from 30 to 9 days
- ✓ Less power requirement
- ✓ Less area footprint
- ✓ Less maintenance
- ✓ Can be extended to green hydrogen pathway
- ✓ Water consumption reduced by 90%
- ✓ Portable - containerized system
- ✓ Lower operating cost
- ✓ Odourless

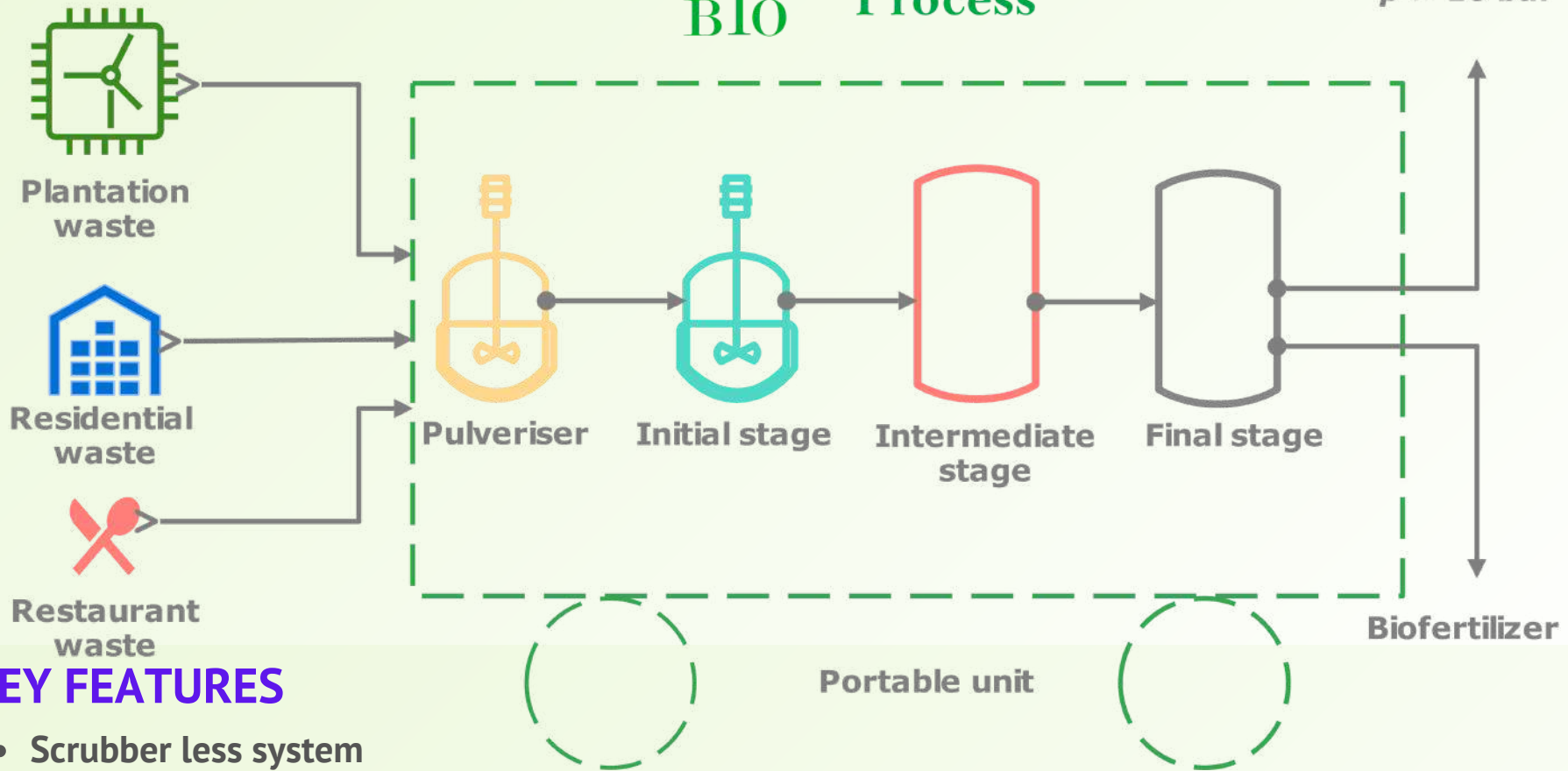
HiPrBio Plant Monitoring system

- ✓ 24x7 online monitoring
- ✓ Cloud based monitoring and control
- ✓ Fully automated system
- ✓ Dedicated online customer support



HiPR BIO Process

Biogas > 85% vol CH₄,
p > 10 bar



KEY FEATURES

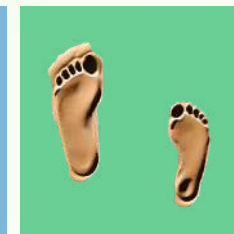
- Scrubber less system
- Lowest auxiliary energy consumption
- Direct grid injection
- Decentralized scale- biodegradable waste to energy solution
- Highest gas production rate
- Minimum water usage
- Customizable containerized system
- Odourless
- Lowest cost
- ROI < 3 years



Reduced
Area
Footprint



Reduced
Water
Footprint



Reduced
Carbon
Footprint



Marketed by DAACK Vessels pvt. ltd.



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