High Biogas recovery from all liquid and solid feed-stock

- Fully integrated plant solution
- High H₂S and CO₂ scrubbing efficiency with methane purity > 95%
- Rugged design, capable of handling and removing varying H₂S concentration (even up to 20%) in feed Biogas
- Consistent product quality despite varying feedstock conditions
- Easy to operate & customized to local conditions
- Bio-Refinery approach to ensure viable economics utilizing waste streams:
  - H₂S is removed and converted to Elemental Sulphur finding application in crop nutrition
  - Bio-methanated residue is used as Bio-manure
- Modular system with minimum foot print
Enhancing the Value of **Biogas**

**Biogas H₂S Scrubbing System (Zero Effluent Generation)**

- Can handle H₂S Concentration up to 20%
- Double Stage Scrubbing ensures effective H₂S as low as 50 ppm at the outlet of the Scrubber
- Process works at ambient temperature with easy start up and shut down procedure
- Purely Chemical Scrubbing System
- H₂S is converted into Elemental Sulphur with high purity, having good commercial value

**Biogas CO₂ Scrubbing System**

The EcoClean™ Scrubbing process is based on the difference in solubility of CH₄, H₂S and CO₂ in water. The process is intensified by further improving the solubility of CO₂ by pressurizing the absorption system.

- Methane purity is more than 95%
- Low capital investment
- Low operating cost as no chemicals / consumables required
- Ease of operation
Global Ethanol Leadership

PRAJ at a Glance

Global process solutions company
Driven by innovative and integration capabilities
Offers solutions to add significant value to Bio-Ethanol
Trusted partner for process engineering, plant & critical equipment and systems
Backed by its state-of-the-art R&D centre called Matrix

- Amongst top 5 global Ethanol Plant Suppliers
- Experience of installing plants across 5 continents
- 80% market share in India
- 65% market share in South East Asia
- 7 - 8% of Global Ethanol Production through PRAJ technology
- Fingerprinted more than ~ 9000 samples of 1st generation feedstock
- Company with integrated R & D Center for commercialization of Ethanol technologies
- Offers end-to-end solutions

Praj Worldwide

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Thailand | UAE | USA

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Disclaimer: The information in this bullet is given in good faith but without warranty. Performance and design parameters will vary on case to case basis and will depend on the requirement of the specific case. Typical values in the bullet should not be considered as specifications.