APBS-CARBex®
Deep CO$_2$ Removal for Renewable Natural Gas Upgrading
APBS-CARBex®

APBS-CARBex® is a commercially proven technology that separates CO₂ from biogas and landfill gas streams at near atmospheric pressure.

The process uses thermal energy to remove CO₂ and recover > 99% of the raw methane to produce pipeline quality natural gas (RNG) or compressed natural gas (CNG).

The benefits of APBS-CARBex® include reduced compression, low methane losses, and high methane quality versus competing technologies like membranes and pressure swing adsorbers.

Operating & Cost Advantages

- Methane loss < 1%
- Methane quality > 99% vol.
- In-situ desulfurization (optional)
- No pre-hydration
- Compression after CO₂ removal
- Smaller compressors required
Whether you’re an equipment provider, EPC or end user, ENHANCED PERFORMANCE will improve your business!
• Saves Energy—Less Compression
• Reduces Methane Loss
• Maximizes Methane Purity

A Proven Track Record
Carbon Clean Solutions Limited (CCSL) is a recognized leader in carbon dioxide (CO₂) separation and recovery as demonstrated by the > 30 biogas plants now operating with CCSL solvents.

ADMINISTRATION
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