







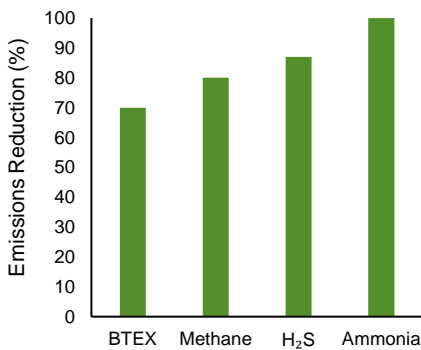
Stratus

Case Study Review: GHG and Odor Emissions Treatment

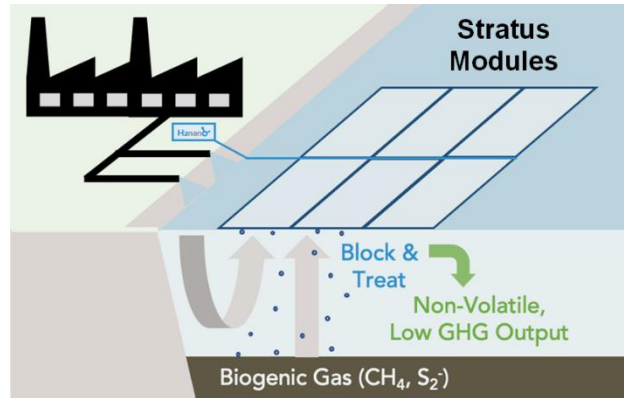
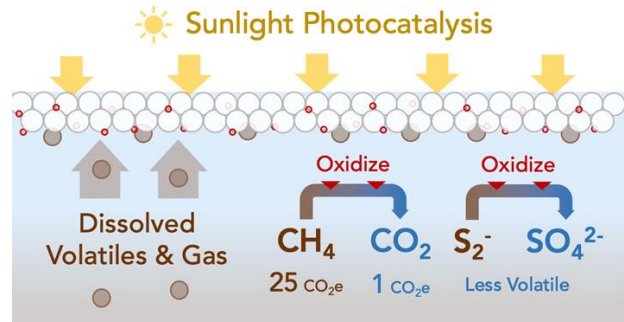
Stratus is proven at pilot-scale for the passive interception and treatment of aqueous methane and odor emissions.

-  GHG's and H₂S oxidized to non-volatiles
-  24-h Emission Barrier
-  Proven Treatment Under Site Conditions
-  Simple Retrofit & Operation

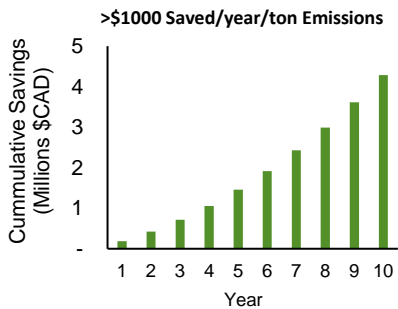
Volatiles Treatment & Emissions Control



- **Odor & GHG Emissions Reduction:** 72-100% reduction in emissions compared to controls.
- **Complete Volatile Oxidation:** volatile sulfur and organic compounds mineralized to CO₂ and SO₄²⁻.
- **Total Ammonia Elimination:** Stratus oxidizes ammonia and converts to NO₃⁻.



Opportunity for GHG Emissions Reduction



- **Powerful Oxidation:** Stratus converts methane and VOC emissions to CO₂, reducing CO₂ equivalent emissions by up to a factor of 25.
- **Case Study:** Single wastewater lagoon with 500 kg CH₄/day emissions. Annual cost savings of >\$180,000 based on current carbon pricing.



Treatment Application Survey

Lab & Site | 2+ weeks | <1 m³
Characterize Your Application



- Validate application
- Identify products
- Lab-scale optimization

Field Demonstration

Site | 4+ weeks | 1-140 m³
Evaluate in the Treatment Setting



- Evaluate under site conditions
- Modular treatment rate with scalable reactors

Full Scale Implementation

Site | Long Term | ≥140 m³
Integrate Into Your Operations



- Emissions and water treatment at scale
- Retrofit with existing infrastructure