

# METHANE DEOXO AND DRYER PURIFICATION SKIDS



ISO 9001 CERTIFIED

CRN



# Methane Deoxo and Dryer Purification Skids

**Biogas (Landfill / Digester / Waste Water / Coal bed, etc.)** is often contaminated with Oxygen and this can make the gas unacceptable to the product pipeline owner. PSB Methane Deoxo and Dryer Skids are an ideal system for removing oxygen and moisture from the pretreated methane gas.

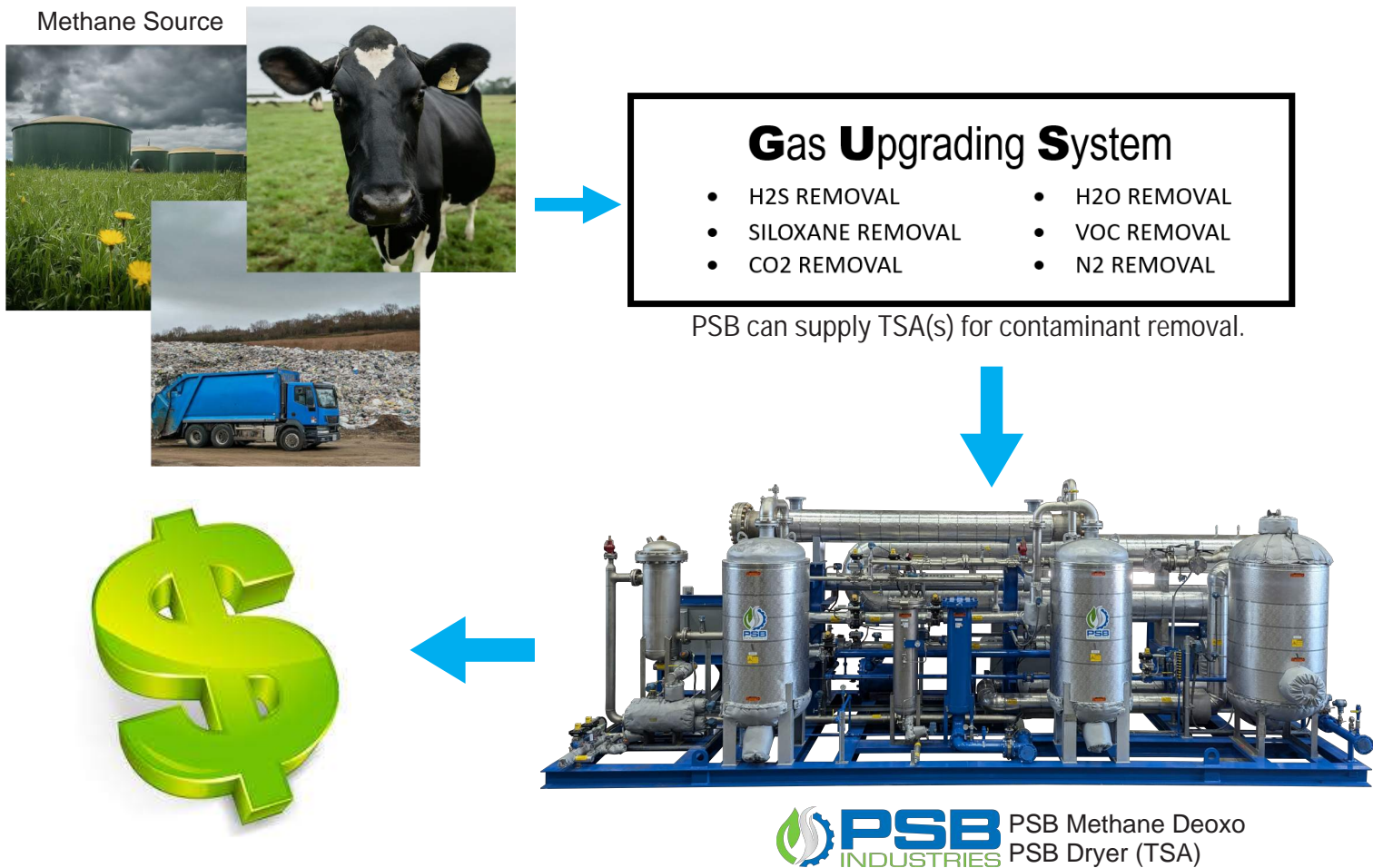
Each unit is conservatively sized to remove  $O_2$  and  $H_2O$  and are designed based on the gas composition, flow rate, temperature and pressure. An optional  $H_2S$  guard bed will protect the catalyst vessel. The Oxygen is then removed from the methane gas stream through a catalytic reactor and excess heat is removed and then moisture removed with a dual tower desiccant dryer.

Typical concentration range of  $O_2$  inlet is 0.1% to 2.5% volume.

**PSB's Methane Deoxo will purify the stream to less than 0.1% or even less than 5 ppmv  $O_2$ .**

**PSB's Dual tower desiccant dryers remove moisture to less than 7 lb/MMSCF and more typically less than 4 lb/MMSCF.**

**Contact PSB with your specific operating conditions.**



PSB Industries Inc.  
1202 West 12th Street • Erie, PA. USA  
Phone: 814-453-3651  
[www.psbindustries.com](http://www.psbindustries.com)

**PSB** PSB Methane Deoxo  
**INDUSTRIES** PSB Dryer (TSA)

