Building with Natural Gas™
Four Locations, Two Chemistries

- **Head Quarters**
  - San Francisco
  - OCM Pilot
  - Catalyst Production

- **Menlo Park**
  - Continuous OCM Pilot
  - Lifetime Testing

- **Hayward**
  - ETL Pilot
  - Integrated OCM Pilot

- **Demonstration**
  - La Porte, TX
  - OCM Demonstration Plant

**Breakthrough Innovation:**
Oxidative Coupling of Methane (OCM) to Ethylene

**Novel Integration of Conventional Technology:**
Ethylene to Liquids

\[
\text{Air, Enriched Air, or Pure } O_2 \quad + \quad 2CH_4 \quad \rightarrow \quad C_2H_4 \quad + \quad 2H_2O
\]

Gasoline OR Diesel OR Aromatics
Siluria’s technology enables multiple opportunities created by three powerful drivers:

- Midstream Gas Processing
- World-Scale Petrochemicals
- Small-Scale Petrochemicals
- Liquified Natural Gas
- Oil Refining
- Power Production
- Commodity Natural Gas
- Coal-Based Methane
- Gasoline or Diesel
- Process Off-Gases
- Aromatic Chemicals
- Stranded Gas
- Distributed/Flared Gas
- Polymer-Grade Ethylene
- Bio-gas (renewable)
Siluria’s ethylene and fuels technologies enable both world scale plants and small scale optimized deployments

- Transformative feedstock shift
- Economically superior to steam-cracking
- Disruptive to existing manufacturing value chain
- Near-term deployments

**World scale Ethylene**
- 1 - 1.5 MMTA

**Ethylene**
- Small Scale Ethylene
- 30 - 125 kTA

**OCM + ETL**

**Scale Up**

**World Scale Fuels**
- 50,000+ bpd

**Fuels**
- Small Scale Fuels
- 1k - 5k bpd

**Scale Down**

- Dramatically improved capital efficiency compared to FT
- Superior carbon efficiencies and desirable product slate
- Game-changing solution to methane/ethane challenge and midstream growth needs
World-Leading Partners in Ethylene Commercialization

First Operating Partnerships

- **Braskem**
  - Largest petrochemical company in Latin America
  - Americas’ largest thermoplastic resins producer

- **Saudi Aramco**
  - Largest oil & gas company in the world
  - Developer of the world’s largest and most advanced Petrochemical Projects

Ethylene Industry Channel Partner

- **Linde**
  - Largest engineering company in the world
  - 63,500 employees in > 100 countries
  - Over $20 billion in revenue
  - Will Provide:
    - Full-process licensing package
    - Performance guarantees
    - Global Industry Focus on
    - Stand-alone world-scale OCM
    - OCM Retrofits into Existing Crackers

Others

Strong interest in deployments for: US Merchant, Russia, Europe, SE Asia, and Australia
Siluria’s Midstream Value Proposition is Tailor Made

<table>
<thead>
<tr>
<th>Features</th>
<th>Siluria</th>
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<tbody>
<tr>
<td><strong>Operational Fit</strong></td>
<td></td>
</tr>
<tr>
<td>• Similar unit operations using similar molecules</td>
<td>✔️</td>
</tr>
<tr>
<td>• Sub De-methanizer pressure feed gas</td>
<td>✔️</td>
</tr>
<tr>
<td>• Abundant deployment sites with high integration potential</td>
<td>✔️</td>
</tr>
<tr>
<td><strong>Business Model Synergy</strong></td>
<td></td>
</tr>
<tr>
<td>• Significant EBITDA addition to existing operations</td>
<td>✔️</td>
</tr>
<tr>
<td>• Can utilize idled or underperforming unit operations</td>
<td>✔️</td>
</tr>
<tr>
<td>• Complementary (C1) and counter-cyclical (C2) to existing gas processing business</td>
<td>✔️</td>
</tr>
<tr>
<td><strong>Differentiated Value Proposition</strong></td>
<td></td>
</tr>
<tr>
<td>• Provides processors competitive advantage attracting supply</td>
<td>✔️</td>
</tr>
<tr>
<td>• Converts lowest value products (methane and ethane) to most valuable (gasoline and butane)</td>
<td>✔️</td>
</tr>
<tr>
<td>• Reduces dependence on drill bit</td>
<td>✔️</td>
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<tr>
<td><strong>Strategic Fit for MLP Sector</strong></td>
<td></td>
</tr>
<tr>
<td>• MLP qualified income</td>
<td>✔️</td>
</tr>
<tr>
<td>• Repeatability and attractive CapEx / EBITDA ratio provide robust growth platform</td>
<td>✔️</td>
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Designed for Operational and Technical Fit with the Midstream

Available & Abundant Feedstock

Compatible Unit Operations and Site Integration

Seamless Integration with Gas Processing Plants

- Commodity NG
- Oxygen
- Recomp
- Cryo
- OCM
- Comp
- ETL
- Gas Seps
- Raw Gas
- Ethane
- C4 RBOB+
- Existing Infrastructure
- Siluria Unit Operations

Identical, Fungible Products
Refinery Optimization and Retrofits

**First Deployments**
- ETL-only deployments
- Converting existing olefin containing gas streams to gasoline or aromatics
- Modular process package delivers 12 to 18 month simple-payback

**Next Generation Offerings**
- Convert existing methane containing gas streams into new olefins
- Convert fresh natural gas feedstock for oil replacement
Demonstration Facility: Fabricated and on Location
Strong and Diverse Investor Syndicate
More than $100 Million Raised