



# CARBON REDUCTION & CAPTURE SOLUTIONS

**Koch Engineered Solutions, LLC (“KES”)** can provide a full range of solutions to help reduce your carbon footprint. Industries worldwide leverage our expertise in emissions control to operate more cleanly and efficiently, maintaining compliance with ever-increasing environmental regulations. From carbon capture and processing to the firing of low-emission alternative fuels in your combustion equipment, KES has proven capabilities to optimize your facility’s performance for carbon reduction and add value to your bottom line.



## Equipment, Process Knowledge, R&D Support

KES offers expertise to optimize your carbon control performance.

- ▶ Mass transfer equipment and expertise from Koch-Glitsch
- ▶ AmiPur® CCS amine purification technology through Koch Separation Solutions
- ▶ Partnering and world-class R&D support



## Installation & Construction

KES can lead your project management, provide lump sum turnkey EPC, and offer engineered equipment services to deliver a complete carbon capture solution that meets your specific needs.



## Carbon Credit Trading

Through Koch Minerals & Trading, you can access comprehensive, cost-effective, carbon-credit trade management.

Let our expertise help you:

- ▶ Mitigate risk
- ▶ Maintain emissions compliance
- ▶ Provide a potential source of revenue

## Partner of Choice

### GLOBAL SCALE

KES is an affiliate of Koch Industries who has \$100+ billion<sup>1</sup> in revenues, global presence, investment grade credit

<sup>1</sup> As estimated by Forbes

### DECISIVE ACTION

Unrivaled ability to marshal resources to move decisively and with certainty when the right opportunities present themselves

### PRIVATE

KES' status as a private company and management philosophy allows partners to focus on capturing opportunity long-term

### MUTUAL BENEFIT

True partnership mentality. Expectation that KES will work to make partnerships as successful as possible

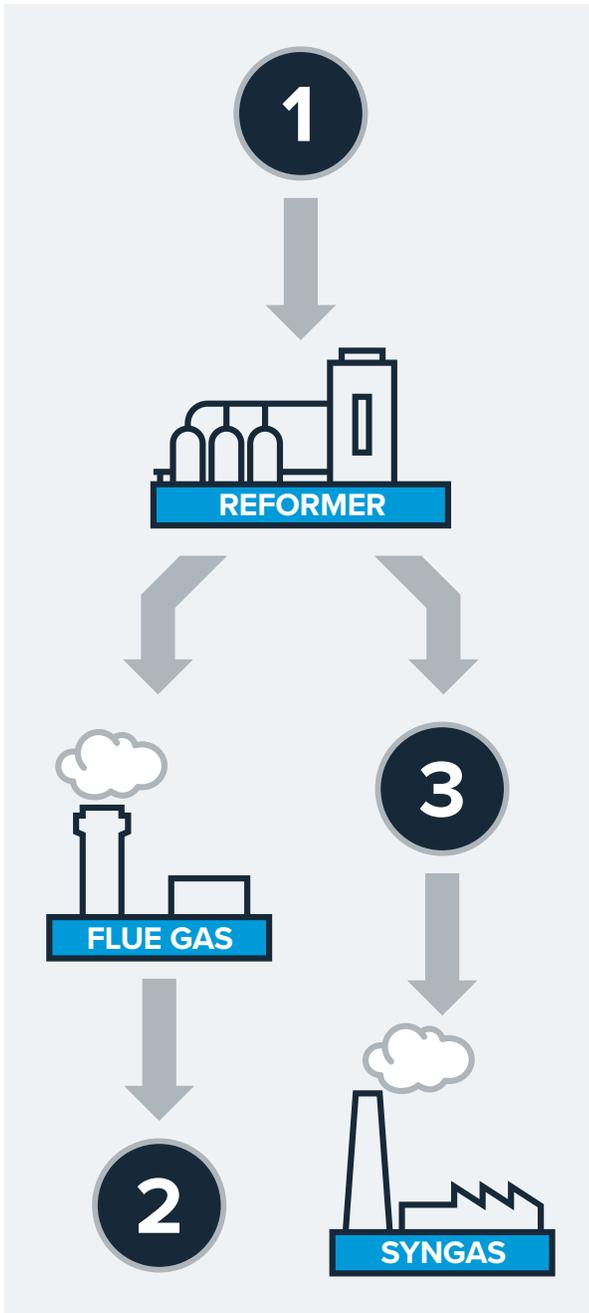
### KOCH LABS

**Experts:** Engage KES' internal subject matter experts to help better understand market and customer opportunities as well as solving technical challenges

**Develop:** Use KES and Koch-affiliate facilities and businesses as a test-bed for product development and proof of concept, allowing for quicker time to market and product design cycles

**Engage:** Opportunity to engage KES and Koch affiliates as a partner, customer, and a supplier

# KES Equipment, Engineering, and Construction Supporting Turnkey Carbon-Capture Solutions



## 1 PRE-COMBUSTION ELIMINATION OF CO<sub>2</sub>

### HYDROGEN AND RNG AS A FEEDSTOCK

- ▶ Burner equipment and process knowledge from John Zink Hamworthy Combustion
- ▶ KES One-Source solutions installation from Koch Specialty Plant Services

## 2 POST-COMBUSTION CO<sub>2</sub>

### CAPTURE FLUE GAS CO<sub>2</sub>

- ▶ Lump sum turnkey project solutions from Optimized Process Design and Koch Specialty Plant Services
- ▶ Mass transfer equipment and process knowledge from Koch-Glitsch
- ▶ Amine purification technology through Koch Separation Solutions

## 3 PROCESS CO<sub>2</sub>

### REDUCE, REUSE OR CAPTURE

- ▶ KES can apply our comprehensive pre- and post-combustion CO<sub>2</sub> solutions listed above