

# THE CATALYST GROUP 2026

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# WHO IS THE CATALYST GROUP: TCG CONSULTING AND TCG RESOURCES

Analytical  
excellence across  
technology, cost  
structures, and  
business strategy.

- **About Us**  
A global consultancy with 40+ years of experience serving industries like refining, chemicals, plastics, pharmaceuticals, and environmental services.
- **What We Do**  
We deliver technology-driven strategic planning through two main services: custom client projects (TCGC) and industry-focused programs and studies (TCGR).
- **Proven Industry Expertise**  
Built by industry leaders, our team brings decades of consulting experience and long-term client relationships that reflect the value we consistently deliver.
- **Unmatched Network & Client Focus**  
Through the Dialog Group® network of 150+ global experts, we offer a uniquely interactive, client-centric approach trusted by top industrial companies worldwide.

# OUR CLIENT BASE

40+ YEARS OF EXPERIENCE IN CATALYST, CHEMICALS & MATERIALS



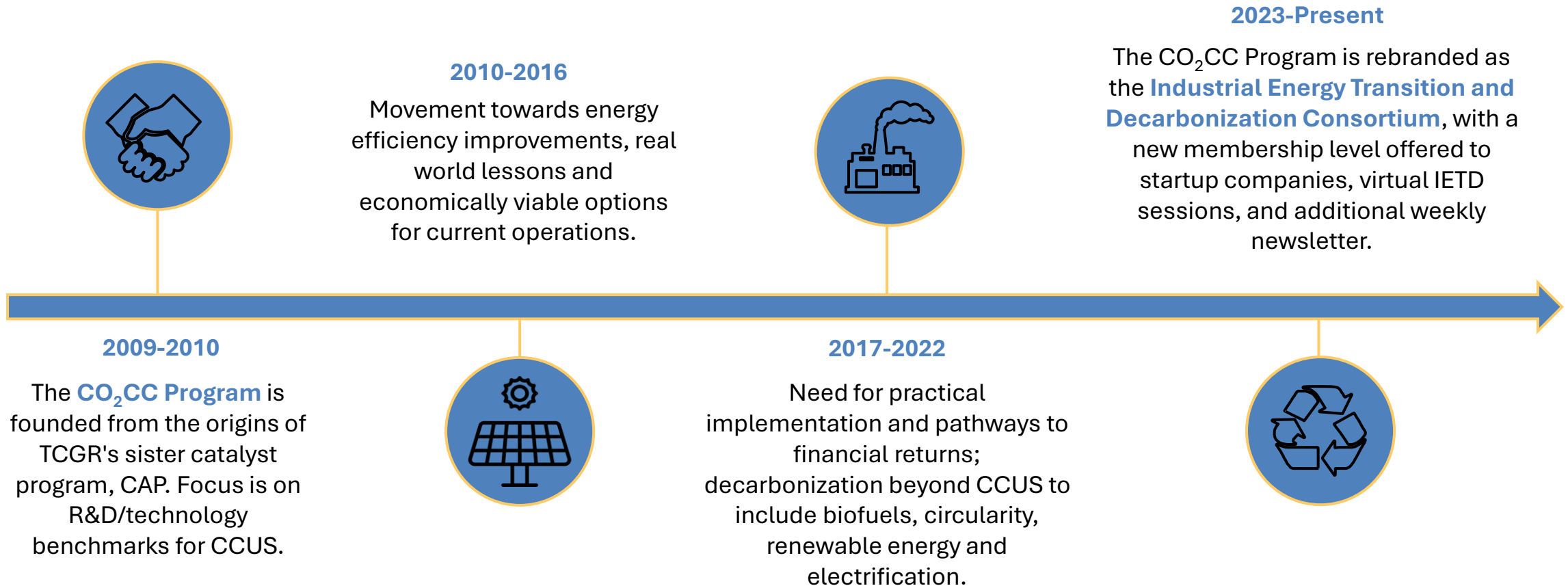


# IETD

## Industrial Energy Transition & Decarbonization Consortium

**A Membership-Directed Program**

# THE INDUSTRIAL ENERGY TRANSITION AND DECARBONIZATION (IETD) CONSORTIUM



# The IETD Consortium Members

**BASF**

We create chemistry

  
**SAINT-GOBAIN**

  
**TotalEnergies**

  
**LyondellBasell**

**Braskem** 

**SASA**

أرامكو السعودية  
**saudi aramco**



**Shell**

 **OSAKA GAS**

 **IETD** Industrial Energy Transition  
& Decarbonization Consortium

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 **TCG**  
THE CATALYST GROUP™  
Vision > Intelligence > Impact

# THE IETD CONSORTIUM SCOPE

- Industrial decarbonization through process improvements, energy efficiency, and cost-saving initiatives
- Hydrogen and ammonia (green/blue) development
- CO<sub>2</sub> capture, separation, and utilization
- Biofuels and bioenergy (e.g., RD/SAF, biogas, biomethane)
- Energy storage (batteries, CAES, hydropower) and fuel cells
- Power-to-X (PtX), including synthetic fuels and hydrogen carriers
- Low-carbon feedstocks and novel conversion pathways to sustainable molecules
- Energy intensity and cost penalties across decarbonization options

# Deliverables – What You Receive



## Weekly Newsletters

Decarbonization Dispatch and Energy Transition Tribune — curated updates from 30+ global sources.



## Member-Directed Reports

Three peer-reviewed techno-economic reports annually, scoped by members and authored by Dialog Group® experts.



## TCGR Advisory Access

Follow-up insights and analysis tailored to your business needs.



## Member Initiated Projects

Confidential collaboration on shared challenges and JV opportunities.



## Annual Virtual Sessions

Topical IETD webinars and networking throughout the year.

# Benefits – Why It Matters

## Maximize Resources

Share knowledge, reduce risk, and stretch R&D budgets through consortium collaboration.

## Make Smarter Decisions

Use expert insights to inform technology, investment, and decarbonization strategies.

## Stay Informed, Efficiently

Track key trends in CCUS, hydrogen, power-to-X, and more—without the noise.

## Shape the Agenda

Drive priorities and report topics with your input. For the Industry, By the Industry®.

## Build Valuable Connections

Engage with peers, partners, and experts through sessions and joint projects.

## Access Deep Expertise

Leverage the Dialog Group® network for trusted commercial and technical insight.

# IETD Techno-economic Reports

Selected for members, by members since 2010.

## 2026

- CO<sub>2</sub>-Derived Products & Materials: Commercial Pathways With & Without Hydrogen
- Successes and Failures of CCUS Project
- Decarbonizing Natural Gas Use through Low-Carbon Substitutes

## 2025

- Technology Evaluation for Waste/Biomass Gasification to SAF
- Electrochemical CO<sub>2</sub> Activation
- Storage of Energy: Electricity, Thermal and Other

## 2024

- Alternative Feedstocks for Lower Carbon Intensity
- Advances in Electrolyzer Technologies and the Scale-up for Green Hydrogen
- Techno-economic Analysis for Hydrogen Production, Transportation, and Storage of CO<sub>2</sub>

## 2023

- Analysis of CO<sub>2</sub> Sources and Demand for CO<sub>2</sub>-Derived Products
- Techno-economic Analysis (TEA) Case Study Series – Vol 1: Biomass to Renewable Fuel, CO<sub>2</sub> to Methanol, and Refinery Carbon Capture
- Lessons Learned: Case Studies of Failed CCUS Projects and Technologies



**Underway for 2026:**

Join now to shape the  
Table of Contents.

# Memberships – Costs How Much

**IETD** is an annual program with three levels of participation for 2025:

**Patron Membership:** \$42,500  
**Sponsor Membership:** \$33,500  
**Start-Up Membership:** \$12,500

The **Patron Membership** entitles the subscriber to all three (3) technical reports released each year. At the **Sponsor Membership** entitles the subscriber to two (2) out of the three (3) reports released. **Start-Up Memberships** should contact TCGR to discuss for more information regarding this membership level.

Each member signs a Corporate Membership Agreement, which fully documents the program content and deliverables.