

Where energies make tomorrow ●

**Canopy**<sup>™</sup>  
by **T.EN**

Powered by  
**Shell CANSOLV**<sup>®</sup>

Capture with confidence. Now.

Modularized CCUS solutions accelerating your transition to a low-carbon future.



**TECHNIP  
ENERGIES**



# Capture.Now™

Transforming carbon into opportunities

Driving the CCUS market and carbon transformation. Now.

As a world-leading engineering and technology provider for the energy transition, we have more than half a century of experience in energy, gas processing, CO<sub>2</sub> management and significant infrastructure developments.

Today, the global community is facing an acceleration of decarbonization with a worldwide 7Gtpa target to be reached by 2050. The era of carbon capture, utilization and storage (CCUS) is here with a tougher climate, higher stakeholder expectations and new investment incentives.

At Technip Energies, we believe in building a low-carbon future. Now we are paving the way in CCUS with our fully integrated approach. Capture.Now™, our

strategic platform for carbon capture, utilization and storage, brings our complete suite of CCUS technologies, services and solutions together under a unified umbrella.

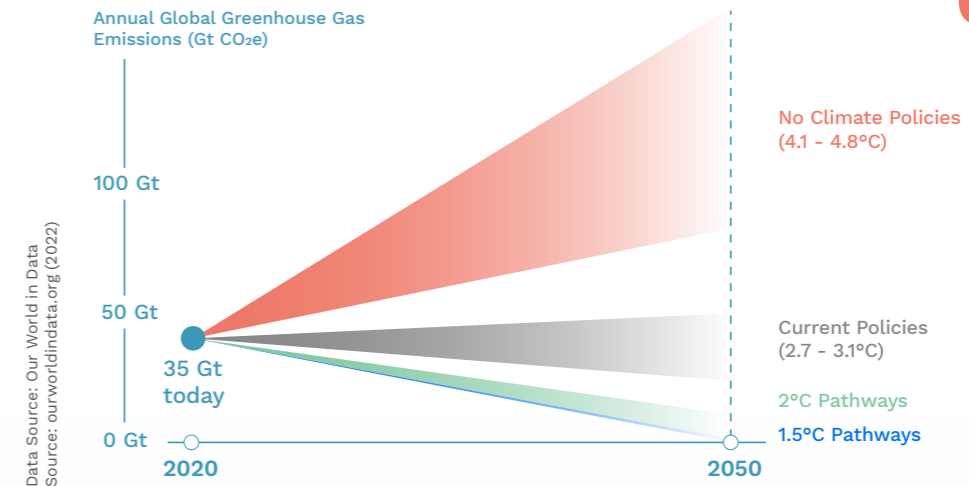
Via Capture.Now™, we support our clients throughout their CCUS journey, helping them navigate each stage to cost-effectively capture the opportunity to decarbonize their operations, exploit markets for cleaner products, utilize low-carbon energy and achieve net-zero goals. We are getting it done, delivering world-class, high-performance projects for the energy transition across the globe and along the value chain for various clients.



**Since 2012, Technip Energies and Shell Catalysts & Technologies have partnered to drive the energy transition. Together, our alliance combines the cutting-edge CANSOLV CO<sub>2</sub> Capture System with project management excellence, integration and delivery expertise to deliver low-carbon solutions for every emitter.**

## CO<sub>2</sub> emissions and climate change

Without intervention, global CO<sub>2</sub> emissions will continue to rise.

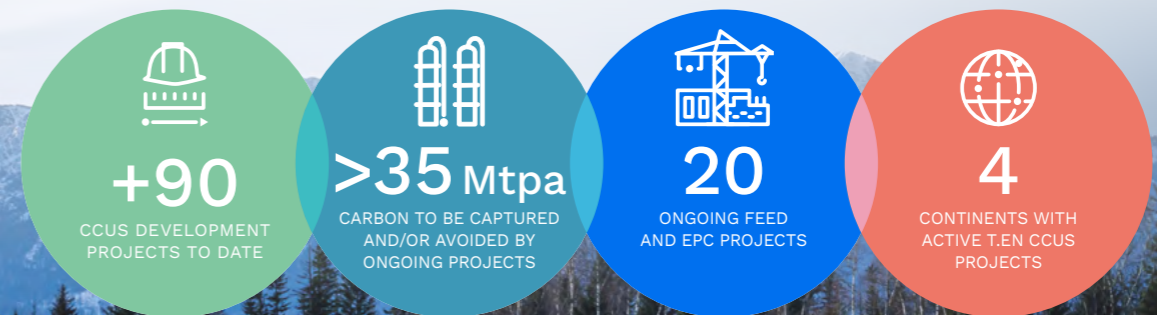


“Reaching net-zero will be virtually impossible without CCUS.”

Fatih Birol, IEA, 2021

To drastically reduce CO<sub>2</sub> emissions, the world needs significant changes, now. CCUS is one of the solutions that must be implemented.

## Technip Energies CCUS insights



- +90** CCUS DEVELOPMENT PROJECTS TO DATE
- >35 Mtpa** CARBON TO BE CAPTURED AND/OR AVOIDED BY ONGOING PROJECTS
- 20** ONGOING FEED AND EPC PROJECTS
- 4** CONTINENTS WITH ACTIVE T.EN CCUS PROJECTS





Powered by  
Shell CANSOLV®

### Capture with confidence

Part of Capture.Now™, Canopy by T.EN™ is a flexible, integrated suite of post-combustion carbon capture solutions for any type of emitter.

Powered by the Shell CANSOLV® CO<sub>2</sub> Capture System, our solutions derisk your projects, freeing you to capture with confidence and meet your emissions reduction targets quickly, efficiently and affordably regardless of scale, industry or location.

As your reliable and committed partner, we guide you on your journey toward decarbonized energy and cleaner products by securing funding, optimizing your capital and operational investment and realizing the value of your carbon capture development.

At pace. At scale. Now.

**Capture performance**

> 95% recovery rate to feature energy efficiency and minimal emissions

**Capture capacity**

Range of carbon capture solutions to meet your capacity

**Capture support**

With you at every step of your carbon capture journey

### The Canopy by T.EN™ range

From testing and piloting up to the world's largest installations, we've got your post carbon capture solutions covered.

 <b>PILOT</b> 1.5 ktpa	 <b>C10</b> 10 ktpa	 <b>C100</b> 100 ktpa	 <b>C200</b> 200 ktpa	 <b>C+</b> Bespoke sizing & design	 <b>MARINE</b> Offshore
Test anywhere, anytime	Standardized solutions for smaller emitters		Any scale for any facility		Specialized solutions

# Accelerating your decarbonization journey

## NET ZERO TEESIDE POWER



- **Contract:** Selected for EPC
- **Contract Award:** March 2024
- **Industry:** Gas Power (new built)
- **Final Client:** BP (leading consortium - BP, Equinor)
- **Location:** Teesside, UK
- **CO<sub>2</sub> capture capacity:** 2 Mtpa

Technip Energies is leading a consortium with General Electrics to make this project the world's first commercial scale gas-fired power station with carbon capture and provide low-carbon power equivalent to the average electricity requirements of around 1.3 million UK homes.

## RUNCORN



- **Contract:** FEED
- **Contract Award:** April 2024
- **Industry:** Waste to Energy
- **Client:** Viridor
- **Location:** Runcorn, United Kingdom
- **CO<sub>2</sub> capture capacity:** 900 Ktpa

The Runcorn project is in line to become the largest carbon capture project on a waste-to-energy facility in the world. As part of the FEED study, Technip Energies will deliver a comprehensive design. The plant will play a crucial role in the regional decarbonization strategy.

## VESTFORBRAENDING



- **Contract:** FEED
- **Contract Award:** September 2023
- **Industry:** Waste to Energy
- **Client:** Vestforbrænding Carbon Capture A/S
- **Location:** Glostrup, Denmark
- **CO<sub>2</sub> capture capacity:** 450 Ktpa

The project includes capturing carbon from flue gas at the existing waste incineration plant. It involves dehydration and compression of CO<sub>2</sub>, including using surplus heat for district heating.

## HEIDELBERG MATERIALS EDMONTON



- **Contract:** Pilot, then FEED
- **Contract Award:** February 2024 (FEED)
- **Industry:** Cement
- **Client:** Heidelberg Materials
- **Location:** Edmonton, Canada
- **CO<sub>2</sub> capture capacity:** 1.6 Ktpa

Technip Energies' scope includes the FEED for a full scale carbon capture plant to capture CO<sub>2</sub> emitted by the cement plant. The Heidelberg plant in Edmonton will be the world's first net-zero cement plant. Technip Energies delivered a pilot in 2023.

# Canopy C200

The only standard, configurable and modularized carbon capture solution of 200 Ktpa currently available on the market.

Canopy C200 combines leading carbon capture technology with advanced modular architecture and seamless facilities integration.

## KEY FEATURES

- >95% capture rate
- <26 months CED to delivery on site
- Transportable by truck directly to all small emitters
- 95% availability
- Modular design easily transportable
- Proven & efficient CANSOLV® CO<sub>2</sub> Capture System
- Full range of services from O&M to financing

# Maximizing value



## Capture value

Canopy C200 leverages technology and standardized production to enhance affordability, optimize CAPEX, reduce costs and seamlessly integrate with your facility for maximum economic performance.



## Capture time

Simplify project delivery, minimize operational downtime and fire up operations sooner. Canopy C200 can be delivered to your door in less than 26 months.



## Capture certainty

Canopy C200 puts confidence in carbon capture so you can secure schedule, cost, construction and operational certainty with ease.



## Capture anywhere

Compact and transportable, Canopy C200 is accessible to any facility anywhere in the world.







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