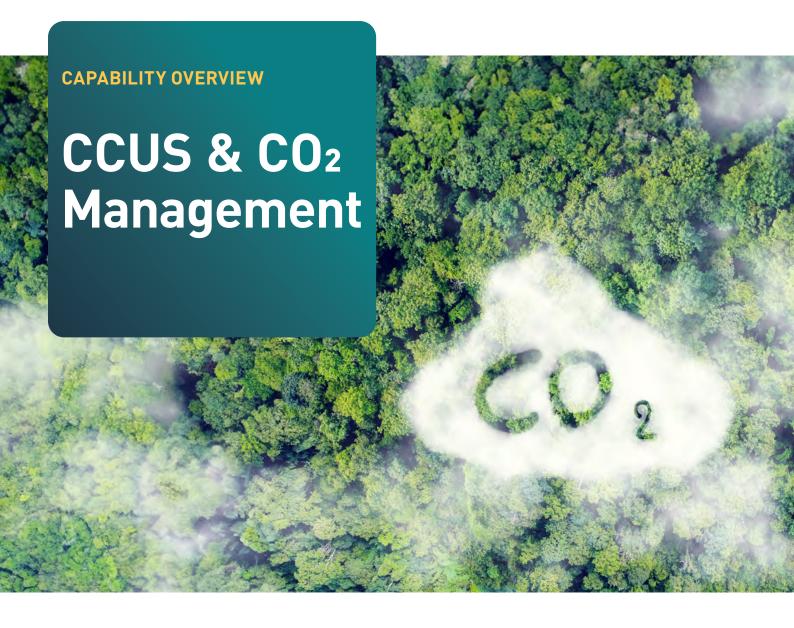
YOUR TRUSTED ADVISOR ON THE JOURNEY TO A SUSTAINABLE FUTURE





Genesis is helping clients transition to a sustainable future.

Our leading advisory team with its solid global track record in CCUS & CO₂ management offers innovative and cost-effective solutions, providing confidence in their CCUS investments.

Leading CCUS & CO2 solutions

HOW WE CAN HELP

Our expert consultants provide independent and agnostic services helping our client from master planning & early phase design through engineering stages they can rely on.

At Genesis, we understand the economic and technical challenges facing a host of CCUS projects. We ensure clients are provided with phase appropriate engineering and economics for assured decision making in their investment.

Genesis has worked on many key carbon dioxide management projects globally and has cemented a significant track record across the CCUS value chain, including CO₂ pipeline design from concept select to FEED.

HOW WE ADD VALUE

- With more than 35 years of experience in holistic technology and integrated design and execution of more than 50 CCUS projects since 2020, we have developed a deep understanding of the changing landscape in technology maturity and uncertainties in CCUS markets.
- Our extensive global experience has shown us that many CCUS projects have various technical obstacles, regulatory hurdles and integration costs. Our extensive engineering expertise and experience of building up a holistic technical cost from a basic concept is applied across all CCUS projects, providing robust levelized costs of CO₂ (LCCA).
- We help our clients make informed decisions, considering the carbon footprint of different development options during the early stages of development, and support identification of carbon reduction and minimization strategies.
- We provide specialized expertise in CO₂ modeling, CO2 transport, CCS hub models, offshore and subsea pipelines and risk and safety management and permitting.
- Leveraging a host of our digital tools and benchmarks, we can rapidly assess multiple CCUS concepts and optimize the levelized costs of carbon abatement to direct your investment. We work with our clients to take their development to the final investment decision (FID).

ADVANCED TOOLS

- Ultra Front End™ Suite (UFE™)
- Genesis Carbon Assessment Tools™ (Gen-CAT™)
- Asset Development Evaluation and Planning Tool (ADEPT)
- Brownfield cost estimating tool
- PHAST modeling tool
- CFD CO₂ dispersion modelling tools
- Environmental CO2 emission modelling tools

OUR SERVICES



KEY INVESTMENT DECISIONS

- Technology selection & system integration
- Decarbonization roadmaps, master planning
- Regulatory driven advisory & ESG finance
 - Energy intermittency managmement
- CO₂ disposal routes and export spec
- Asset planning



SUSTAINABILITY

- Life time carbon footprint assessments and optimizations
- Re-use of transportation infrastructures
- Environmental impact assessments
- Decarbonisation strategy



ENGINEERING DESIGN

- Site layout studies & brownfield integration
- Pipeline & material engineering
- Flow assurance & dynamic modeling
- Technical safety studies



COST ESTIMATION & FINANCIAL SERVICES

- Real cost estimation & LCCA estimation
- Funding application support
- Economics & market analysis

Capture.Now

Transforming carbon into opportunities

Genesis is collaborating with Capture.Now™, the strategic CCUS platform of Technip Energies to support clients in their decarbonization journey as the agnostic advisors in early phase.

A strong partner in CCUS & CO2 Management

OUR TRACK RECORD IN CCUS

>75 recent early phase projects in CO₂

Multidiscipline Teams

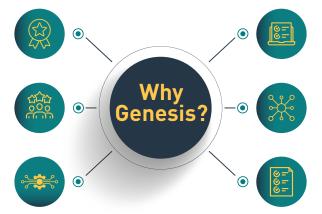
Capitalizing on in-house engineering resources to minimize subcontracting and interfaces

Leveraging Wider Organization

Wholly owned by Technip Energies with more than 60 years in EPC.

Processes & Tools in Development

30 years of experience in project management, onshore and offshore developments and optioneering.



INNOVATIVE & COLLABORATIVE

Fully integrated working with our clients to find value and solve industry challenges

Transparent Cost Estimating

Bottoms up estimating and levelized costs with transparency to support your investment decisions.

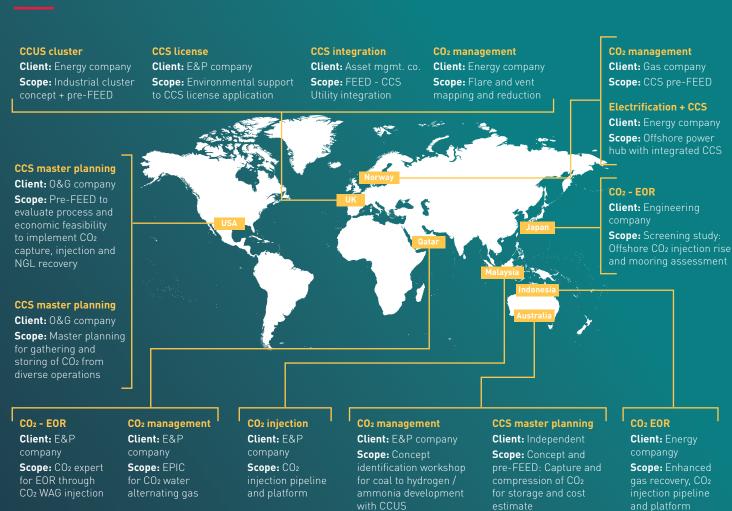
Holistic Systems Design

Understanding the challenges with infrastructure, pipelines, CO₂ specifications & behavior, capture & treatment, etc...

Agnostic Reviews

Agnostic technology assessment, screening & selection of technology. Working with OEM, vendors and licensors.

OUR KEY PROJECTS







Your trusted advisor on the journey to a sustainable future

