

THE CARBON CAPTURE AND STORAGE PROJECTS

Incorporating CCS in our assets

Asset	CCS Project name	Country	CCS project operator	U/S ⁵ , LNG or D/S ⁵	New project or existing asset	GHG reduction potential (100%) ¹	CCS project maturity
Snøhvit	N/A	Norway	Equinor	U/S	Existing asset	0.7 MTPA	Under operation
NFE	CCS	Qatar	QatarEnergy LNG (process) QatarEnergy (storage)	U/S	New project	2.1 MTPA	Under development
NFS	CCS	Qatar	QatarEnergy LNG (process) QatarEnergy (storage)	U/S	New project	1.1 MTPA	Under development
LNG North 2²	CCS	Qatar	QatarGas	U/S	Existing asset	0.6 MTPA	Under study
Ichthys	Bonaparte CCS	Australia	Inpex	U/S	Existing asset	3.3 MTPA	Under study
Cameron LNG	Hackberry CCS	United States	Hackberry Carbon Sequestration LLC	LNG	Existing asset + potential expansion	Up to 2 MTPA	Under study
Antwerp refinery	ARCaDe ³	Belgium (capture) Tbd ⁴ (storage)	TotalEnergies (process) Tbd ⁴ (transport & storage)	D/S	Existing asset	0.7 MTPA	Under study

1. GHG reduction potential is the CO₂ injected for storage. The associated GHG Scope 1+2 emissions generated during the project are not discounted. 2. Ex-QatarGas 2. 3. Antwerp Refinery Carbon capture and DeNOx. 4. CCS transport & storage's selection is ongoing. 5. U/S = Upstream ; D/S = Downstream.

Offering Carbon Transport & Storage services

Project	Operator	Clients ¹	National or Transborder ²	Transborder CO ₂ collection Hub	CO ₂ storage Country	CO ₂ storage type ³	Project maturity	CO ₂ storage capacity (100%)	Start-up year
Northern Lights	Northern Lights	Norcem, Celsio, Yara, Ørsted	Both National and Transborder	Øygarden terminal, Norway	Norway	Saline aquifer	Phase 1: Under construction, Phase 2: FEED completed	Phase 1 = 1,5 Mt CO ₂ /y Phase 2 to 5 Mt CO ₂ /y	2025
Northern Endurance Partnership (NEP)	BP	Emitters from industrial regions of Teeside	National	No	United Kingdom	Saline aquifer	Phase 1: FID scheduled in 2024 Expansion: Under study	Phase 1 = 4 Mt CO ₂ /y Expansion up to 10 Mt CO ₂ /y	2028
Aramis	TotalEnergies (Storage), JVs (Transport)	Emitters from Netherlands, Belgium mainly	Both National and Transborder	Rotterdam Harbour, Netherlands	Netherlands	Depleted gas field	Phase 1: FEED ⁴ ongoing	Phase 1 = 2,5 Mt CO ₂ /y Expansion to 5,5 Mt CO ₂ /y	2029
Bifrost	TotalEnergies	Emitters from Denmark, Germany, Baltics countries, etc.	Both National and Transborder	Terminal / Pipe	Denmark	Depleted gas field, Saline aquifer	Under study	Beyond 5 Mt CO ₂ /y	2030
Luna	Wintershall Dea	Emitters from Belgium, Germany, Netherland, France, etc.	Both National and Transborder	Shipping / Pipe	Norway	Saline aquifer	Under study	Beyond 5 Mt CO ₂ /y	2030

1. Clients and potential future clients. 2. National by gas pipe, Transborder by Shipping & gas pipe. 3. Storage is located offshore. 4. Front-End Engineering Design.