mangrove systems

From molecule to market

Streamline MRV operations and unlock revenue across compliance, tax credit, and voluntary markets

Overview of Mangrove Systems

Mangrove is the digital MRV solution built for **carbon dioxide removal (CDR)**, **carbon capture and storage (CCS)**, and **low-carbon fuels (e.g. RNG, SAF)**. We provide production-grade carbon accounting that integrates operational and non-operational data across the project lifecycle to meet the evolving requirements of markets and programs.

Mangrove's solution **operationalizes measurement, monitoring, reporting, and verification (MRV)**, enabling faster, audit-ready credit issuance. We simplify engagement with validation and verification bodies (VVBs), support registry integration for serialization, and deliver the transparency and traceability required by regulators, credit buyers, and investors.

Mangrove is trusted by some of the world's most ambitious projects to operationalize data across assets, partners, and systems — and to reduce the risk of reporting failure at scale.

FIDELIS NEW ENERGY · CHARM INDUSTRIAL · THE CARBON REMOVERS · CIP Copenhagen Infrastructure Partners

ExxonMobil · GUNVOR · PACIFIC BIOCHAR · BioGasCo

A selection of Mangrove's customers

Markets Mangrove supports

Voluntary Programs

puro.earth · Gold Standard · ISOMETRIC · VERRA CCS+ Initiative · American Carbon Registry · CORSIA

Compliance Programs

ISCC International Sustainability & Carbon Certification · Clean Fuel Regulations (CFR) · EU ETS · RFS · CALIFORNIA AIR RESOURCES BOARD · TIER Compliance Verification · M-RETS · UK ETS

Regional Programs

CBAM · 45Q, 45Z · ISO · Danish Energy Agency · Department for Energy Security & Net Zero

Southeast Capture Project

Overview · Data Inputs · Digital Twin · **Production Inventory** · Issuances

Data range: Dec 23, 2024 → Dec 23, 2025 Filter by Facilities: Please select

Production Inventory: Gross CO2e Sequestered

Summary

Allocatable Inventory	Fully Allocated
0.37 Mt	**4.44** Mt

Manage Allocations

Actual Sequestered (Mt)	Forecast Sequestered (Mt)
2.38 Mt	**2.43** Mt

Ongoing Ledger Pr...

Batches

Date range	CO2e sequestered (tCO2e)	Allocatable (tCO2e)	Facility	kage O2e)	CO2e loss O2e)
Jul 22 - Jul 27, 2025	10.50	10.50	ACME Corp	.050	0.050
Jul 17 - Jul 21, 2025	21.23	1.00	SteelCo	.043	0.043
Jul 11 - Jul 17, 2023	16.08	0.08	ACME Corp	.027	0.027
Jul 10 - Jul 10, 2023	10.50	-	ACME Corp	.055	0.055
Jul 03 - Jul 09, 2023	21.23	21.23	SteelCo	200.1	
Jul 01 - Jul 02, 2023	16.08	-	SteelCo	.050	0.050

Production Summary

Gross CO2 Sequestered (t)	Gross CO2 Sequestered Forecast (t)	Allocatable Pr
2.38 Mt	**2.43** Mt	**0.71** M

Commercial Inventory

Available Inventory Over Time

VCM (GS) · 45Q credits · CA LCFS

Stream	Allocated Gross CO2 (t)	Issued Units Available	Forecast Units Available	
VCM (Gold Standard) BFCCGS Methodology	2,283,000	2,000,000 VERs	1,000,000 VERs	View
45Q credits IRS sequestration tax credits	3,500,000	3,200,000 credits	1,900,000 credits	View In
CA LCFS California compliance	2,500,000	2,340,000 credits	300,000 credits	View Inv