CarboSol
CARBON SOLUTIONS COMPANY

A CARBOSOL PUBLICATION

A Practical Guide to Carbon Markets & the Key Players

From core concepts to standards, integrity referees, trading platforms and Saudi Arabia's national framework — with benchmark figures, live 2026 market signals, and real projects. The bridge between national strategy and private-sector execution.

Voluntary & Compliance Markets

Article 6 · DNA · GCOM · RVCMC

CBAM & CORSIA Ready

A public guide for decision-makers, investors, sustainability and partnership teams, and anyone learning the market · carbosol.sa

JUNE 2026

FOREWORD

Carbon is no longer a cost line. It is an asset class.

For two decades, the carbon conversation in heavy industry was framed as a burden — a compliance obligation, a reputational hedge, a line item under "sustainability." That framing is now obsolete. A high-integrity carbon credit is a verifiable, registry-recorded, tradable financial instrument backed by a measured tonne of avoided or removed CO_2. It can be priced, hedged, retired against a target, or sold into a global market that is widening every quarter.

Two forces are converging at once. Globally, the market is undergoing a decisive **flight to quality**: as integrity bodies impose real standards, buyers are paying meaningful premiums for credible credits while low-quality volume is repriced toward zero. At the same time, compliance is becoming unavoidable — the EU's Carbon Border Adjustment Mechanism entered its **definitive, paying regime on 1 January 2026**, and aviation's CORSIA scheme becomes **mandatory in 2027**. The era in which carbon could be ignored has closed.

TAKEAWAY Whether you shape policy, deploy capital, run a business, or are simply learning the market, the logic is the same: **rigorous integrity is what turns carbon into durable, tradable value**, aligning national strategy in Saudi Arabia with real commercial opportunity.

Saudi Arabia occupies a rare position. It holds the natural endowment for large-scale nature-based supply — the Saudi Green Initiative's commitment to **10 billion trees** and protection of **30% of land and sea** — alongside the heavy-industry base and capital to lead on engineered removal. And, unusually for the region, it has already built the full market infrastructure end to end: a government gateway, a national crediting mechanism, and a world-class trading and auction company. Few markets anywhere are this complete.

CarboSol exists to operate in the space between these two worlds — translating national frameworks into bankable projects, and corporate intent into verified, high-integrity tonnes. This document is our shared reference for that work: rigorous enough for the regulator, commercial enough for the boardroom, and practical enough for the project on the ground.

> The winners of the next decade will not be those who buy the cheapest tonne, but those who **own the most credible one.**
>
> CARBOSOL · CARBON SOLUTIONS

READING GUIDE

What's inside

Five parts move from the global picture to the Saudi blueprint and down to the project on the ground. Each section is self-contained — read front to back, or jump to what you need.

I · THE LANDSCAPE

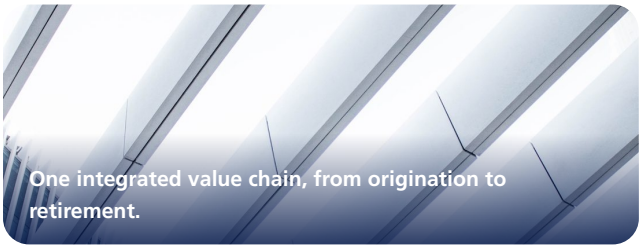
II · THE ARCHITECTURE OF TRUST

III · THE SAUDI BLUEPRINT

IV · FROM THEORY TO GROUND

V · RESOURCES

Who it's for. Policymakers and regulators, investors, corporate and sustainability leaders, project developers, and anyone who simply wants to understand how carbon markets work. Each section closes with a single key takeaway.



One integrated value chain, from origination to retirement.

SECTION 01

The market at a glance

01

The voluntary carbon market is still small in dollar terms — but it is growing fast and, more importantly, it is repricing around quality. The headline numbers tell one story; the shift beneath them tells the one that matters.

~$4B
Voluntary market value, 2024 (Grand View Research)

$24–100B
2030 estimates, depending on demand recovery

~$250B
Potential market value by 2050 (Morgan Stanley, MSCI)

~65%
Average price premium for high-integrity credits, H1 2025

A market sized for a decade of growth

Sources: Grand View Research; Morgan Stanley; MSCI Carbon Markets. Estimates vary widely by methodology and demand assumptions; figures are indicative, not forecasts.

The core idea

Demand is moving decisively **from volume to quality**. A flood of cheap, weakly-verified credits is being repriced toward zero, while a smaller pool of high-integrity credits — additional, permanent, well-measured, with real community and biodiversity co-benefits — commands a growing premium.

Where the opportunity lies: not in producing the most tonnes, but in producing the most **credible** ones. That is a supply-quality game, and it favours developers with rigorous MRV.

TAKEAWAY The opportunity is not the most tonnes, but the **most credible ones**. Integrity is the precondition for growth, and early positioning in high-integrity supply captures the widening premium while commodity credits carry repricing risk.

SECTION 02

The basics: carbon & carbon credits

02

Before the players, the fundamentals. Five ideas explain almost everything that follows: why carbon has a price, what a credit is, the three ways they are created, the two markets, and how a tonne becomes a verified asset.

1 · Why does carbon have a price?

Industry and energy release greenhouse gases that trap heat and drive climate change. To cut them, markets assign a financial value to every tonne of CO_2 avoided or removed: whoever reduces or removes carbon earns a credit they can sell to someone who needs to offset. Climate action becomes an economic asset rather than a pure cost.

2 · What is a carbon credit?

One credit equals **one tonne of CO_2-equivalent (CO_2e)** reduced, avoided or removed. To be sellable, that tonne must be independently verified by an accredited body and recorded in a recognised registry — which is what separates a real carbon asset from a claim on paper.

3 · Three types of credit — and why type drives price

AVOIDANCE

Preventing emissions that would otherwise have happened — e.g. protecting standing forest from clearing.

REDUCTION

Cutting emissions from an existing activity — e.g. energy efficiency or fuel switching.

REMOVAL

Drawing carbon out of the atmosphere and storing it — e.g. afforestation or engineered capture. **Highest value.**

Indicative price per tonne by credit type

USD, logarithmic scale — the price spread across types spans two orders of magnitude.

Avoidance & reduction	$4–25
Nature-based removals	$15–50
Biochar removal	$125–200
Engineered removal · DAC	$450+

Sources: Climate Focus / State & Trends 2025; MSCI; Puro.earth / Nasdaq CORC indices; CDR.fyi, 2025. Bands are indicative ranges; durable removals (DAC) can price above $1,000.

4 · Two markets

Voluntary (VCM): organisations buy by choice — to meet targets or reputational goals. Like a contribution.

Compliance: mandated by regulation (e.g. CORSIA for aviation). Like a tax. The two are converging as integrity rules align.

Why type matters: removals — especially durable, engineered ones — are scarcer and harder to reverse, so they command the highest and most resilient prices.

5 · How a credit is produced — seven steps from idea to sale

1. **Design** — Project design document (PDD)
2. **Listing** — Submit to a registry
3. **Validation** — Independent check (VVB)
4. **Registration** — Formally registered
5. **Monitoring** — Field + satellite MRV
6. **Verification** — Impact confirmed
7. **Issuance** — Credits issued & sold

6 · What defines quality? Additionality · Permanence · No double counting · Robust, auditable MRV · Real co-benefits — the five tests that separate a premium credit from a stranded one.

SECTION 03

Standards & registries 03

These bodies are the referees of the market. They write the rules, accredit the auditors, and run the registries where every credit is issued, transferred and retired. The standard a project chooses shapes its credibility — and its price.

Verra

Verified Carbon Standard · Washington, D.C.

The world's largest crediting programme. Over **2,300 projects** and **1.3 billion+ credits** issued — roughly two-thirds of the voluntary market.

> **Why it matters:** the most widely accepted standard; instant global reach and liquidity.

verra.org ↗

Gold Standard

Founded by WWF, 2003 · Geneva

Requires demonstrated sustainable-development co-benefits on top of carbon. Over **4,000 projects** across **100+ countries**.

> **Why it matters:** raises credit value by certifying social and development impact.

goldstandard.org ↗

Puro.earth

Durable removal registry · Helsinki

The leading registry for engineered, durable removal (biochar, enhanced weathering). Issues **CORC** certificates and authored the first biochar methodology.

> **Why it matters:** the reference for high-value, long-duration removals.

puro.earth ↗

Climate, Community & Biodiversity

A quality label added to land-based projects to prove benefits for local communities and biodiversity. Used alongside VCS to signal the highest tier of nature credits.

> **Why it matters:** adds credibility — and a measurable premium — to nature-based credits.

verra.org/programs/ccb ↗

SD VISta

A Verra framework that independently documents a project's contribution to the UN Sustainable Development Goals, in a recognised, auditable language buyers trust.

> **Why it matters:** turns "impact" claims into verified, comparable evidence.

verra.org/programs/sd-vista ↗

TAKEAWAY Standard selection is a strategic decision: it sets your buyer pool, your price band, and your protection against future repricing, while giving regulators a transparent, auditable backbone for Article 6 authorisation.

SECTION 04

Integrity & quality referees

04

As the market matured, two global bodies emerged to draw a hard line under quality — one governing the credit itself, the other governing the claim a company makes about it. Together they are the immune system of the modern carbon market.

IC · ICVCM · supply referee

Integrity Council for the Voluntary Carbon Market

Sets the **Core Carbon Principles (CCPs)** — ten principles defining a genuinely high-integrity credit — and awards the **CCP label** to methodologies that pass. By early 2026, roughly **105 million credits** had earned the label.

> **Why it matters:** the emerging global benchmark for what counts as a "good" credit.

icvcm.org ↗

VCMI · demand referee

Voluntary Carbon Markets Integrity Initiative

Sets the **Claims Code of Practice** — the rules for how a company may use credits and communicate the result, so an offset claim is honest, proportionate and backed by real decarbonisation first.

> **Why it matters:** protects the market — and your brand — from greenwashing accusations.

vcmintegrity.org ↗

> ICVCM verifies the **quality of the credit.** VCMI ensures the **honesty of the claim.**
>
> THE TWO HALVES OF MARKET INTEGRITY

Two referees, one clean transaction

Think of integrity as a relay. On the **supply** side, ICVCM's CCP label tells a buyer the tonne is real, additional and permanent. On the **demand** side, VCMI's Claims Code tells the buyer's stakeholders that the way the tonne was used — and described — is legitimate. A credit can be excellent and still be misused; a claim can be modest and still be misleading. Both gates must pass.

SUPPLY GATE — DEMAND GATE

1 · CCP label (ICVCM) → the credit is high-integrity at the source.

2 · Claims Code (VCMI) → the corporate claim is accurate and proportionate.

Net effect: a credit that is both **good** and **used well** — the only kind that protects long-term value.

TAKEAWAY Buy CCP-labelled credits and follow the Claims Code. It is the clearest signal of quality and the cheapest insurance against repricing and greenwashing risk, and it imports a globally recognised integrity bar into national rules.

SECTION 05

Demand drivers & compliance 05

If standards create supply, these frameworks create demand. Some are voluntary commitments; others are hardening into law. Three of them — CBAM, CORSIA and SBTi — now touch almost every large exporter, airline and listed company on earth.

CORSIA

ICAO · aviation offsetting

Requires airlines to offset emissions growth above a defined baseline. The voluntary phases end as the scheme becomes **mandatory for most states in 2027** — a vast, compulsory new source of credit demand.

1. **2021–2023** — Pilot phase
2. **2024–2026** — First phase (opt-in)
3. **2027–2035** — Mandatory — all states

EU CBAM

Carbon Border Adjustment Mechanism

A border carbon levy on imports of carbon-intensive goods — **steel, cement, aluminium, fertilisers, electricity and hydrogen**. The definitive, paying regime began **1 January 2026**; the first certificate surrender falls due **30 September 2027**.

1. **2023–2025** — Transitional — reporting only
2. **Jan 2026** — Definitive — certificates payable
3. **Sep 2027** — First surrender & verification

SBTi

Science Based Targets initiative

Validates that corporate targets align with 1.5°C climate science. Passed **10,000 validated companies** in January 2026 — together over **40% of global market capitalisation**.

> **Why it matters:** sets the credible sequence — cut first, then offset the rest.

Article 6 · Paris

UNFCCC

6.2 enables ITMOs — credit transfers between countries with corresponding adjustments. **6.4** creates a central UN-supervised market (PACM).

> **Why it matters:** the legal plumbing for cross-border, sovereign-grade credit trade.

TAKEAWAY

CBAM and CORSIA have moved carbon from optional to operational. For exporters, airlines and investors alike, the exposure is now a budgeted, hedgeable, board-level number, while Article 6 lets host countries capture value and protect their NDC.

SECTION 06

Saudi national carbon architecture

06

Few countries anywhere have built the full stack. Saudi Arabia has assembled three connected layers — a government gateway, a national crediting mechanism, and a world-class trading company — all aligned with Article 6 of the Paris Agreement, Vision 2030 and the 2060 net-zero pathway.

APPROVE

DNA

The Designated National Authority — the government gateway that issues host-country Letters of Approval and authorises projects under Article 6.

cdmdna.gov.sa

›

CREDIT

GCOM

The Saudi GHG Crediting & Offsetting Mechanism — the national, Article 6-aligned crediting system, launched October 2023, open to public and private sectors.

gcom.cdmdna.gov.sa

›

TRADE

RVCMC

The Regional Voluntary Carbon Market Company — the trading and auction layer (PIF 80%, Saudi Tadawul Group 20%), connecting local supply to global buyers.

vcm.sa

One integrated framework — aligned with Article 6 of the Paris Agreement, Vision 2030, and net zero by 2060.

The three layers, in detail

APPROVE

National DNA

Established by Council of Ministers decision in **2009**. The official starting point for every carbon project in the country: it issues the host-country Letter of Approval and authorises projects under Article 6.

> **Why it matters:** no Saudi credit reaches the market without passing this gate.

CREDIT

GCOM

Saudi Arabia's first national crediting mechanism, launched at MENA Climate Week, Riyadh, in **October 2023**. Voluntary, project-based and Article 6-aligned, open to public, private and foreign-subsidiary developers.

> **Why it matters:** nationally recognised credits, linked to international frameworks.

TRADE

RVCMC

The trading and auction layer, owned by the Public Investment Fund (80%) and Saudi Tadawul Group (20%). Launched its trading platform at **COP29 in November 2024**.

> **Why it matters:** turns verified credits into tradable value — and keeps that value in the region.

Proof points & national targets

06

This is not a framework on paper. Saudi-led auctions have already set world records, and national climate targets create a deep, durable pipeline of domestic demand and supply for the decade ahead.

1.4M
tonnes sold, Riyadh auction, Oct 2022

2.2M
tonnes, Nairobi 2023 — largest-ever VCM auction

16
Saudi, regional & global entities bidding in Nairobi

18
projects offered — avoidance & removal mix

The Nairobi benchmark

In June 2023, RVCMC ran the largest voluntary carbon auction ever held, selling over **2.2 million tonnes** of CORSIA-eligible and Verra-registered credits. **Aramco, Saudi Electricity Company and ENOWA (NEOM)** were among the largest buyers, across a portfolio spanning clean cookstoves, renewables and other avoidance and removal projects. It demonstrated something rare: a Saudi institution acting as a credible global market-maker, not just a participant.

Saudi Arabia's nature-based supply: landscapes built for restoration at scale (Saudi Green Initiative).

Read-through: deep institutional demand already exists locally — the constraint on the market is high-integrity **supply**, which is precisely where project developers create value.

National targets that anchor the market

278 Mt
targeted annual emissions cut by 2030

10B
trees — Saudi Green Initiative ambition

30%
of land & sea targeted for protection

2060
net-zero target year

TAKEAWAY National targets create a deep, multi-decade pipeline. The scarce asset is high-integrity **supply**, exactly where developers and investors create value, securing the best land, partnerships and methodologies before the field crowds in.

SECTION 07

Market trends 2026

07

Four forces are reshaping the market this year. Two are global gravity — the flight to quality and the arrival of carbon border pricing. Two are distinctly regional — aviation demand and Saudi Arabia's unusual depth of supply. Read together, they point to a single conclusion: credible supply is the scarce asset.

01 The flight to quality

The market has split in two. High-integrity credits — CCP-labelled, with durable storage or strong community and biodiversity co-benefits — sold at an **average ~65% premium** in the first half of 2025, with roughly **40% of buyers actively seeking the CCP label**. Meanwhile, weakly-verified vintages are being marked down or stranded. Across credit types, the spread is even starker: durable engineered removals price at **10–100× the cost** of commodity avoidance credits. Quality is no longer a virtue; it is the price signal.

02 CBAM pressure on Saudi exporters

With CBAM's paying regime live since January 2026, the carbon embedded in **steel, cement, aluminium, fertilisers and hydrogen** shipped to Europe now carries a direct financial cost. For Saudi industrial exporters, that turns internal carbon accounting from a reporting exercise into a margin issue — and makes credible decarbonisation and high-integrity offsets a tool to defend market access, not just reputation.

EXPOSED SECTORS

Steel · cement · aluminium · fertilisers · hydrogen · electricity

THE MECHANISM

Importers surrender certificates priced to the EU ETS, less any carbon already paid at origin.

THE RESPONSE

Measure product carbon, cut at source, then offset the residual with credible credits.

The connective insight: CBAM rewards exporters who can **prove** a lower carbon footprint. Proof requires MRV-grade data — the same capability that underpins a high-integrity credit. The tool that defends your exports and the tool that creates a saleable asset are one and the same.

Aviation demand & Saudi supply

07

03 The aviation demand surge

CORSIA's mandatory phase in **2027** lands just as the region's aviation sector is expanding fastest. Carriers scaling international capacity will need a reliable, multi-year supply of CORSIA-eligible credits — and procurement teams are already moving early to lock in volume and price before the compliance wall arrives. Regional demand for eligible credits is set to step up sharply.

04 Saudi supply vectors

Saudi Arabia can supply both ends of the quality curve. On the nature side, the Saudi Green Initiative's afforestation, land restoration and coastal/mangrove (blue carbon) potential offers large-scale removal with co-benefits. On the engineered side, a deep heavy-industry base — cement, petrochemicals, power — provides feedstock and offtake for **biochar** and, in time, **direct air capture**, linking decarbonisation to high-value durable credits.

NATURE-BASED

Afforestation & restoration (SGI), **blue carbon** in Red Sea / Gulf mangroves, soil and rangeland carbon. Removal + community co-benefits.

ENGINEERED

Biochar from agricultural and organic residues, **waste-heat recovery**, and **DAC** coupled to industry. Durable, premium-priced removal.

> Saudi Arabia is one of the few markets that can credibly produce both a **nature-based tonne** and an **engineered tonne** — at scale, and to international standard.

THE STRUCTURAL ADVANTAGE

From heavy industry to high-value removal — Saudi Arabia can supply both the nature-based tonne and the engineered one.

SECTION 08

Sector coverage & price bands

08

Credits are generated across very different sectors, each with its own mechanism, risk profile and price band — and where a project sits tells you most of what you need to know about its value.

Forestry — REDD+

AVOIDANCE

Protecting standing forest from clearing and degradation.

$5–20 — Verra VM0007

Afforestation — ARR

REMOVAL

Planting new trees and restoring degraded land.

$15–50 — VM0047 · GS A/R

Blue carbon

REMOVAL

Restoring and protecting mangroves and coastal wetlands.

Premium — Verra VM0033

Renewable energy

REDUCTION

Replacing fossil generation with clean power.

$1–10 — various

Cookstoves & efficiency

REDUCTION

Cutting fuel use, with strong health and social co-benefits.

$4–15 — Gold Standard

Waste & methane

AVOIDANCE

Capturing methane from landfill and waste streams.

varies — various

Industrial & waste-heat

REDUCTION

Efficiency and energy recovery in industrial processes.

varies — Gold Standard

Engineered — biochar & DAC

REMOVAL

Permanently capturing and storing carbon via technology.

$100–500+ — Puro.earth

Rule of thumb: the highest-value credits are **durable removals** and those carrying **strong, verified co-benefits**. Avoidance is cheaper and more abundant; removal is scarcer, harder to reverse, and priced accordingly.

SECTION 09

MRV technology & data

09

Measurement, Reporting and Verification is what turns a climate claim into evidence — and evidence into a bankable asset. Modern projects pair field data with satellite imagery, so impact can be proven independently, continuously, and at scale.

S2 Copernicus

Sentinel · ESA · European Union

Free, open imagery: Sentinel-2 (10 m, ~5-day revisit) for vegetation; Sentinel-1 radar for change detection through cloud.

> **Why it matters:** reliable, no-cost data that helps prove additionality.

copernicus.eu ↗

PL Planet

PlanetScope constellation

The largest small-satellite fleet, imaging all land daily at roughly 3 m resolution.

> **Why it matters:** daily revisit sharpens accuracy and shortens verification cycles.

planet.com ↗

L8 Landsat

NASA · USGS

The longest continuous satellite record of Earth's surface — imagery reaching back to the 1970s.

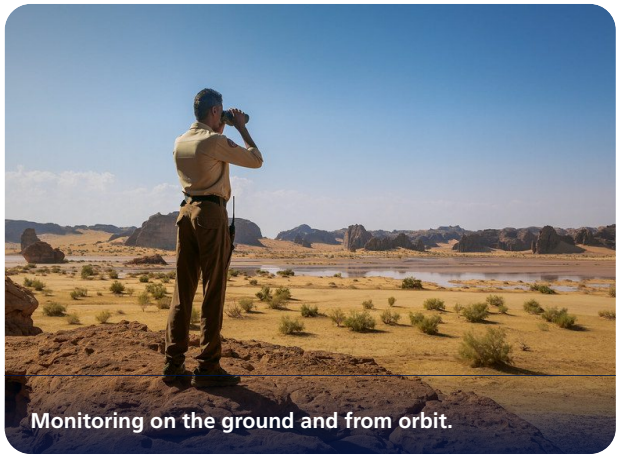
> **Why it matters:** essential for establishing a credible historical baseline.

usgs.gov ↗

From pixels to proof

A defensible MRV system layers sources: satellite optical and radar for canopy, biomass and change over time; ground plots and sensors for calibration; and increasingly, machine-learning models that translate imagery into tonnes with quantified uncertainty. The result is an audit trail a verifier — and a buyer — can trust. As integrity standards tighten, **MRV quality is becoming the single biggest differentiator** between a premium credit and a discounted one.

> **CarboSol's approach:** a multi-layer digital MRV system combining satellite and field data into one auditable record, built to survive third-party scrutiny.



Monitoring on the ground and from orbit.

SECTION 10

Trading platforms 10

Once issued, credits change hands on specialised platforms and exchanges that provide price transparency, standardised contracts and liquidity — the machinery that makes carbon a tradable asset class.

X Xpansiv / CBL

Spot market

The largest spot marketplace for voluntary carbon credits, with standardised reference contracts and transparent pricing.

> **Why it matters:** where voluntary-market prices are discovered.

xpansiv.com ↗

ICE Intercontinental Exchange

Futures & risk management

Offers carbon and environmental futures for hedging; environmental markets set a record of **20 million+ contracts** in 2025.

> **Why it matters:** connects carbon to mainstream financial risk management.

ice.com ↗

Regional layer: Saudi Arabia's **RVCMC** (see Section 06) adds an auction and trading venue that links domestic supply directly to this global infrastructure — keeping value in the region while plugging into world prices.

SECTION 11

Methodologies, decoded 11

A methodology is the approved "recipe" for how a project type calculates its reductions or removals. The code on a credit tells an informed buyer exactly what they are getting.

CODE	WHAT IT COVERS	BODY
VM0007	REDD+ — avoided deforestation and degradation	Verra
VM0032	Improved grassland management (avoidance)	Verra
VM0047	Afforestation, reforestation & revegetation (removal, 2023)	Verra
VM0033	Tidal wetland & coastal restoration (blue carbon)	Verra
GS A/R · LUF	Afforestation/reforestation and land use & forests	Gold Standard
CCB	Co-benefits label — community + biodiversity	Verra
CORSIA-eligible	Credits approved to offset international aviation	ICAO

Official libraries: verra.org/methodologies · goldstandard.org/our-work/methodologies

Carbon, connected to mainstream financial markets.

SECTION 12

Flagship projects

12

Real-world models prove the feasibility of large-scale, high-integrity projects — and offer templates Saudi developers can adapt across forest, peatland, coastal and industrial settings.

Kasigau Corridor REDD+

Kenya · Wildlife Works · VCS + CCB

One of the first REDD+ projects to issue credits certified under both VCS and CCB — protecting dryland forest while generating community income, jobs and education.

FORESTRY · AVOIDANCE

COMMUNITY CO-BENEFITS

wildlifeworks.com ↗

Katingan Mentaya

Indonesia · VCS + CCB "Triple Gold"

One of the largest peatland conservation projects in the world, avoiding roughly **7.5 million tonnes** of CO_2 a year across about 157,875 hectares.

PEATLAND · AVOIDANCE

~7.5M T/YR

permianglobal.com ↗

Delta Blue Carbon

Pakistan · Indus Delta · Verra VM0033

The world's largest blue-carbon project, restoring mangroves across **~350,000 hectares**. First issuance reached **3.1 million credits**; the site is projected to sequester ~142 Mt CO_2 over 60 years.

BLUE CARBON · REMOVAL

WORLD'S LARGEST

carbonmarketinstitute.org ↗

Clean cookstove programmes

Africa & Asia · Gold Standard

Large programmes distributing efficient cookstoves that cut fuel use and emissions, with major health and social co-benefits for households.

EFFICIENCY · REDUCTION

SOCIAL CO-BENEFITS

goldstandard.org ↗

TAKEAWAY Each model is proven, replicable and financeable, pairing verified climate impact with measurable community benefits. Saudi analogues in afforestation, blue carbon and biochar are credible and largely uncontested today.

SECTION 13

Learning & glossary

13

Selected videos & explainers

What is the Voluntary Carbon Market?
Carbon Credits · English

Saudi Green Initiative — 10 Billion Trees
SGI (official) · Arabic

Voluntary carbon markets explained
BBC News Arabic · Arabic

Gulf states & carbon markets
Al Arabiya · Arabic

Reference libraries: ICVCM (icvcm.org/knowledge-resources) · UNDP Climate Promise (climatepromise.undp.org) · World Bank Carbon Pricing Dashboard (carbonpricingdashboard.worldbank.org) · Saudi DNA & GCOM (cdmdna.gov.sa · gcom.cdmdna.gov.sa)

Glossary — a quick dictionary

GHG	Greenhouse gas — gases that trap heat
CO_2e	Carbon-dioxide equivalent unit
Offset	Using a credit to counter an emission
Additionality	Wouldn't have happened without the project
Permanence	Carbon stays stored long term
Leakage	Emissions shifting elsewhere
Baseline	The reference (business-as-usual) scenario
Retirement	Permanently cancelling a used credit

ITMO	Internationally Transferred Mitigation Outcome (Art. 6.2)
NBS	Nature-based solutions
REDD+	Reducing Emissions from Deforestation & Degradation
ARR	Afforestation, Reforestation, Revegetation
MRV	Measurement, Reporting & Verification
VVB	Validation / Verification Body
PDD	Project Design Document
Blue carbon	Carbon stored in coastal ecosystems

Develop
origination · PDD · registration

›

Measure
digital MRV · verification

›

Monetise
issuance · trading · sale

SECTION 14

About CarboSol

14

CarboSol is a Saudi carbon-solutions company — a developer, operator and marketer of high-integrity carbon projects, from design through issuance and sale. We work with accredited international standards and a rigorous digital MRV system, operating within Saudi Arabia's national framework (DNA, GCOM and RVCMC).

Our vision

To be the trusted partner that turns natural and industrial assets into high-quality carbon value — supporting Vision 2030 and net zero by 2060.

Our mission

To develop and manage high-integrity carbon projects end to end — from design through issuance and marketing — via accredited standards and precise MRV.

What we offer

- **Development & registration:** preparing the PDD, securing national approval, and registering with Verra, Gold Standard and Puro.earth.
- **Measurement & verification:** an auditable, multi-layer digital MRV system combining satellite and field monitoring.
- **Capital & risk:** carrying development cost and risk through first issuance under success-based, shared-upside models.
- **Marketing & trading:** selling via regional and global platforms and a network of institutional buyers.

Track record

A portfolio of **25+ carbon projects** developed to leading international standards such as **Verra (VCS), Gold Standard and Puro.earth**, alongside the securing and trading of **CORSIA-eligible credits** and a digital MRV system built with a technology partner. A **UN Global Compact** member and a preferred voluntary-market supplier.

VERRA VCS · GOLD STANDARD · PURO.EARTH · CORSIA · GCOM · RVCMC

WORK WITH US Across the full value chain, from origination and MRV to issuance, trading and sale, whether you are a government, a corporate, an investor, or a developer turning land and industrial processes into verified, saleable carbon assets.

CarboSol
CARBON SOLUTIONS COMPANY

LET'S BUILD THE CREDIBLE TONNE

From national strategy to verified value.

Whether you are shaping policy or managing carbon exposure, CarboSol is your hands-on partner across the full value chain — origination, MRV, registration, issuance and sale.

WEB
carbosol.sa

EMAIL
projects@carbosol.sa

LINKEDIN
CarboSol