



CLYMACT

Innovating for a net zero future



Company Details and Products Portfolio

By **Dr. Alia Al Sadawi**
CTO



ClymAct is a specialized engineering and management firm committed to accelerating the global transition to **net-zero** emissions through the power of **digital innovation**.

At the intersection of blockchain technology, artificial intelligence, environmental science, and IoT, **we design and deliver** transparent, verifiable, and data-driven solutions that redefine **how carbon emission is measured, and managed**.

We **envision** a world where the **power** of technology is **harnessed** to accelerate sustainable growth and achieve a **net-zero** future.



CLYMACT
Innovating for a net zero future



Our **cross-disciplinary** team of *engineers, technologists, and environmental scientists* work hand-in-hand with stakeholders to ensure the implementation of **future-ready** systems that are **resilient, scalable, and aligned** with **global standards and local needs**.

Through every system we deploy, we help our *clients* not only meet their sustainability goals but **lead** the way in redefining what responsible growth looks like in the **Net-Zero era**.



Our mission is to empower governments, organizations, and communities to lead with confidence in the face of complex climate challenges.

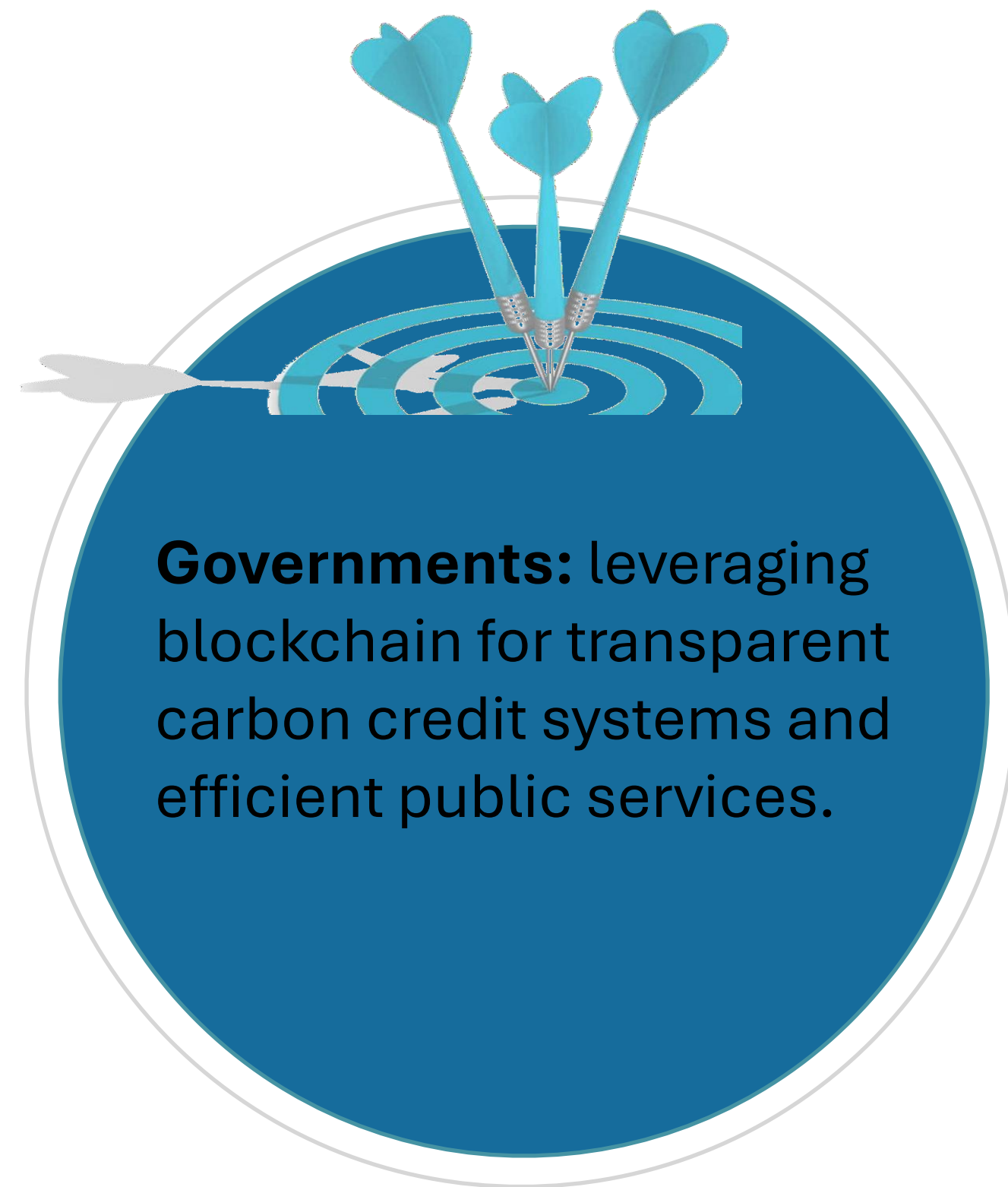


Our suite of products and services include blockchain carbon credit registries, emissions tracking platforms, and regulatory-aligned environmental consultancy.



Each solution is engineered to meet client's requirements and ensure transparency, accountability, and measurable environmental impact.

Target Market Segmentation



Governments: leveraging blockchain for transparent carbon credit systems and efficient public services.



Large and Medium-Sized Organizations: Delivering blockchain solutions to drive transparency, ethical practices, and efficiency in supply chains.



NGOs Focused on Sustainability: providing expertise on emissions assessments, lifecycle analysis and compliance strategies.

Carbon Credit Market: A Billion-Dollar Opportunity



US \$ 14.4 B

The global environmental monitoring market was valued at USD 14.4 billion in 2024 and is expected to grow at a compound annual growth rate (CAGR) of 5.7% from 2025 to 2030.



US \$ 50 B

By 2030, global spending on voluntary carbon markets (VCMs) is projected to reach over \$50 billion



28 %

The global blockchain investment in carbon credit market is expected to grow from USD 220 million in 2023 to over USD 1.3 billion by 2030, reflecting a CAGR of more than 28%,

THERE IS INCREASING REGULATORY AND STAKEHOLDER PRESSURE ON GLOBAL CORPORATIONS TO LOWER EMISSIONS (**DEMAND EXISTENCE**)

Existing 'REGIONAL' Products In The Market

Key Local New Market Entrants

The ACX Platform




Uses USD not
cryptocurrency



Allows brokers
participation
in the system

Limited features (no
trading between
emitters, violators
suspension or CO2
measurement)



The Venom Platform



Uses USD not
cryptocurrency



New blockchain, only
test net launched on
April 25, 2023, could
be many untested
and uncertain
functionalities



Limited features (no
trading between
emitters, violators
suspension or CO2
measurement)

Existing 'INTERNATIONAL' Products In The Market

International Benchmarked Platform

The ICE ECX platform

An additional fee of **\$5,345** is added for emission trading privilege



Platform charges a transaction fee between **\$2.14 - \$5.34** per lot (1000 CO2 tons)



A broker's commissions range from **2.5 - 3.5%** of the traded value



An annual subscription fee between **\$9,000** and **\$16,000**



The EEX platform

A broker's commissions range from **2.5 - 3.5%** of the traded value



An annual subscription fee between **\$2,672** and **\$32,070**



Platform charges a transaction fee between **\$2.67 - \$3.75** per lot (1000 CO2 tons)

Current Landscape

Existing **CARBON CREDITS TRADING** systems suffer from six (6) Functionality issues:

◆ **Issue 1**
Single point
Failure

◆ **Issue 2**
Continuous
Upgrades

◆ **Issue 3**
Slow Process

◆ **Issue 4**
High participation
and operational
cost

◆ **Issue 5**
Vulnerability to
theft and double
counting

◆ **Issue 6**
Inefficient
process





Carbon Credit Platform

Our blockchain-powered platform offers transparent and traceable carbon credit tracking and trading solutions. Using decentralized technology and smart contracts, it ensures secure, ethical, and efficient carbon credit transactions, helping businesses meet their sustainability goals with ease.



Tailored System Development

We design and implement customized enterprise systems that streamline workflows and enhance productivity. Our solutions integrate blockchain and IoT technologies, optimizing business operations while fostering sustainability through real-time data access and collaboration. Secure, scalable, and future-ready solutions.



Environmental Impact Consultancy

ClymAct provides expert environmental consultancy services, offering actionable insights on reducing carbon footprints and aligning with global sustainability standards. Our research-driven approach supports clients with rigorous environmental impact assessments and tailored sustainability strategies.



The Secrets of Our Success Story

There is a heightened global focus on achieving net-zero carbon emissions by 2050, which has created a significant market for sustainable practices.

In response to this trend, organizations are increasingly seeking **bespoke** software solutions that not only **enhance** operational efficiency but also **align** with their sustainability goals.

Comprehensive Approach

Our approach integrates blockchain technology, environmental consultancy, and systems development. A combination that sets us apart from competitors offering siloed solutions



secret 01

Integrated Technologies

ClymAct stands at the intersection of environmental science, advanced digital technology, and regional insight, offering a fully integrated approach to carbon management and sustainability transformation

secret 02

Environmental Consultancy

We offer full-spectrum environmental services: lifecycle assessments, carbon footprinting (Scopes 1, 2, and 3), decarbonization strategies, ESG and sustainability reporting, and inssetting advisory.

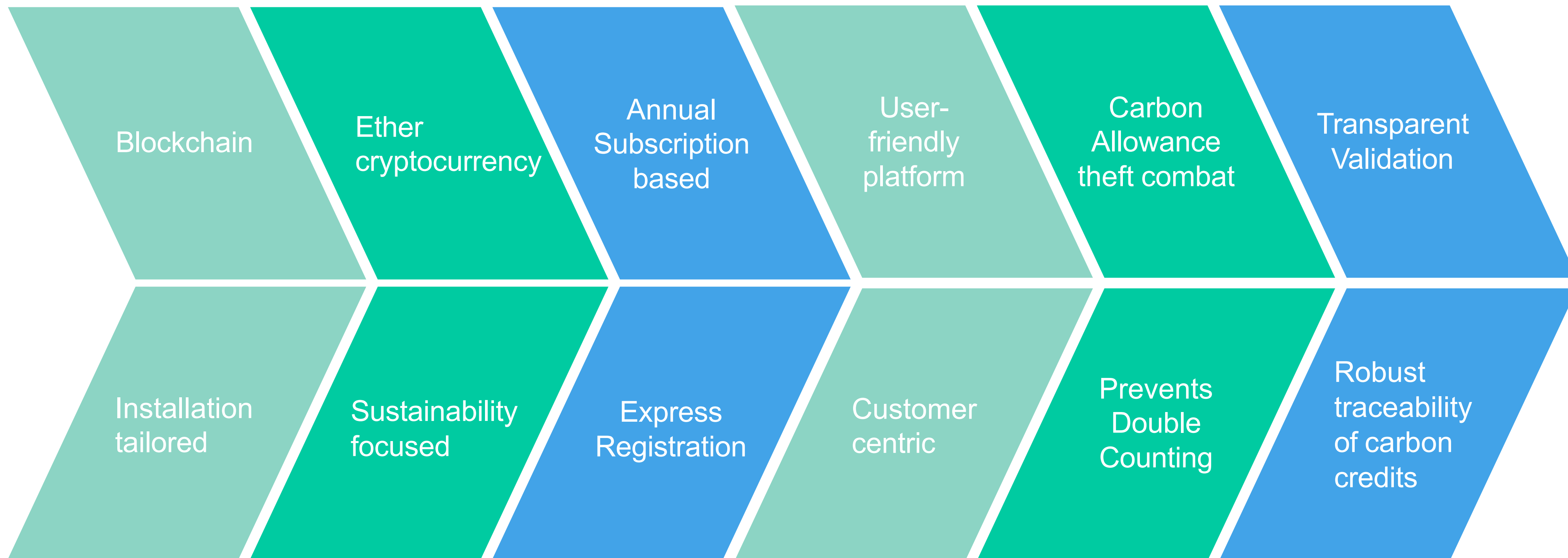
secret 03





Blockchain Solution Overview

Towards solving a global issue using blockchain powered technology



Our Solution Innovative Features



Aligned with the Paris Agreement (article 6.2)



In addition to developing carbon credit trading platform, we are technology provider for customized solutions for carbon trading.



Modular platform architecture to customize our solution based on customer needs.



Support both carbon credits offsetting (from projects) and trading (between emitters) processes.



Cover governmental level and enterprises level as we provide a module for a comprehensive database for countries who signed the Paris Agreement.



Utilize cryptocurrency (either Ether or our Currency) for trading and offsetting.



Provide a carbon emission measurement solution.



AI feature for enhanced offsetting and trading decision making.

Solution Highlights

Modular Design for Efficient Customized Solution



Our developed solution consists of various modules containing multiple units working together to create a complete functional blockchain platform for carbon credits trading (CCT) that **fulfills Paris Agreement (Article 6)**.



Our system utilizes blockchain technology, smart contracts, distributed peer-to-peer InterPlanetary File System (IPFS), Internet of Things paradigm, and trusted hardware oracles gateways.



Why Invest in CLYMACT ?

Innovating for a net zero future

Expert
multidisciplinary
team

Scalable and
adaptive business
model

Client trust



Partnership and Collaboration

Governments: Policy formulation and implementation

Private Companies: Achieving climate and ESG goals

Community: Youth engagement through **ClymAct** Ambassadors



CLYMACT
Innovating for a net zero future

THANK YOU