A Flagship Environmental Restoration Partnership Opportunity in Libya

ARR LIBYA

ARR Libya Project

Delivered by StreamPro | subsidiary of Oilinvest

StreamPro

oilinvest

ARR Libya Project

A working Partnership Structure

This initiative brings together distinct and complementary roles, combining strategic sponsorship, on-the-ground execution, and technical advisory support.

On the 13th of January 2024 Oilinvest announced its collaboration with the state-owned Libyan Public Services Company (LPSC) to plant the Tripoli Wildlife Park.

oilinvest StreamPro

Strategic Sponsor and Execution Partner
50 years + 20 years agreement

KARBON-X

Technical & advisory support
Develop a Carbon Pathway

Libyan Public Services Company
Strategic co-partner for 50 years + 20 years agreement
Facilitating land access, coordination, and long-term stewardship

ARR Libya Project - Direct Contribution to Global Frameworks

Global Frameworks	Aim	The ARR Project Delivery
Paris Agreement (net-Zero & Temperature targets)	Limit global warming below 2°C, pushing companies to reduce emissions and invest in low-carbon solutions.	Contribute to carbon sequestration through large-scale afforestation, supporting long-term emissions reduction pathways aligned with net-Zero ambitions.
EU Climate Law & European Green Deal	Set a legally binding path to climate neutrality by 2050 to cut emission.	The progressive expansion from 80 hectares, to a planned 350 hectares supports measurable emissions reduction and aligns with climate neutrality trajectories.
UN Sustainable Development Goals (SDGs)	Provide a global framework for SD, guiding companies to align strategies with environmental, and economic impact priorities.	Environmental restoration, biodiversity recovery, and community value, contributing to multiple SDGs including climate action and life on land.
CSRD Corporate Sustainability Reporting Directive	Disclose ESC data including scope 1, 2, and 3 emissions by 2028.	Provide a measurable, nature-based contribution to emissions reporting frameworks, supporting transparency and ESG disclosures.

This project translates global climate commitments into tangible, measurable action on the ground, aligning corporate investment with international climate and ESG priorities.

Targeted Sustainable Development Goals (SDGs)

SDG 13: Climate Action

SDG 13 Focuses on

- Reducing greenhouse gas (GHG) emissions
- Supporting climate mitigation and adaptation
- Promoting nature-based climate solutions
- Advancing the transition toward net-zero emissions by 2050

ARR Project Contribution

- Development of large-scale afforestation, reforestation, and agro-forestation activities
- Creation of natural carbon sinks through vegetation and soil restoration
- Integration of a carbon development pathway
- Alignment with international climate frameworks and standards

Tangible Impact on the Ground

- Restoration of degraded land into carbon-absorbing ecosystems
- Long-term CO_2 sequestration potential through tree growth
- Improved soil quality and climate resilience
- A structured pathway toward future carbon certification and value generation

A tangible step from strategy to execution
delivering measurable environmental impact on the ground.

Targeted Sustainable Development Goals (SDGs)

SDG 15: Life on Land

SDG 15 Focuses On
- Protect, restore, and promote sustainable use of terrestrial ecosystems
- Combat land degradation and desertification
- Halt biodiversity loss

ARR Project Contribution
- Large-scale land restoration across the Tripoli Wildlife Park
- Rehabilitation of degraded and previously unsafe land
- Reintroduction of vegetation, trees, and ground cover
- Creation of functional ecosystems and biodiversity recovery zones

Tangible Impact on the Ground
- Transformation of barren land into plant-ready ecosystems
- Support for long-term soil stability and water retention
- Enabling habitats for flora and fauna
- Integration of community and environmental value

A direct contribution to SDG 15; restoring land, rebuilding ecosystems, and creating long-term environmental value

Targeted Sustainable Development Goals (SDGs)

SDG 17: Partnerships for the Goals

SDG 17 Focuses On

- Strengthening multi-stakeholder partnerships
- Mobilizing financial, technical, and institutional resources
- Enabling knowledge sharing and global collaboration

ARR Project Contribution

- Collaboration between Oilinvest, LPSC (Libya), and international partners
- Engagement with Karbon-X as technical carbon development partner
- Structured involvement of local partners and civil society organizations
- Integration of local execution with international standards

Partnership Model

- **Public–Private Collaboration**

(Government-backed land + private sector investment)

- **Technical + Operational Integration**

(Carbon expertise + on-ground implementation)

- **Shared Value Creation**

(Environmental impact + ESG positioning + long-term upside)

This is not just a project; it is a partnership platform delivering impact through collaboration.

CLIMATE, COMMUNITY & BIODIVERSITY (CCB)

The Climate, Community & Biodiversity (CCB) Standards identify projects that simultaneously address climate change, support local communities and smallholders, and conserve biodiversity

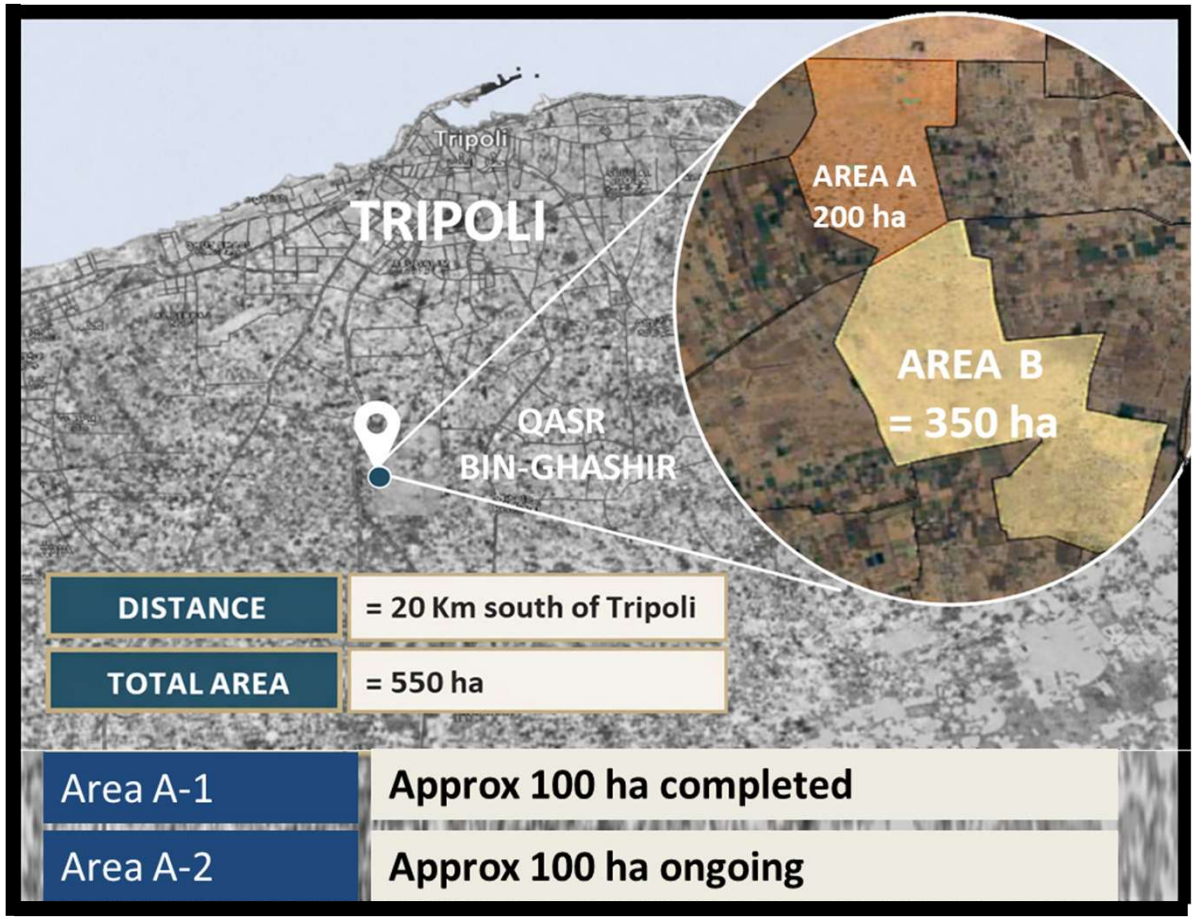
As Climate, Community and Biodiversity represent significant importance for *Libya* and *Oilinvest* alike, CCB Standards shall be considered in the Project to provide assurance that the carbon offset Project will deliver not just carbon reduction but also significant community and biodiversity benefits. Furthermore, CCB Standards' considerations shall also ensure that the Project brings nature-positive contributions, reinforcing *Oilinvest's* environmental and sustainability commitments with tangible impacts on biodiversity, nature, as well as the surrounding community

Climate, Community & Biodiversity Standards
A VERRA STANDARD

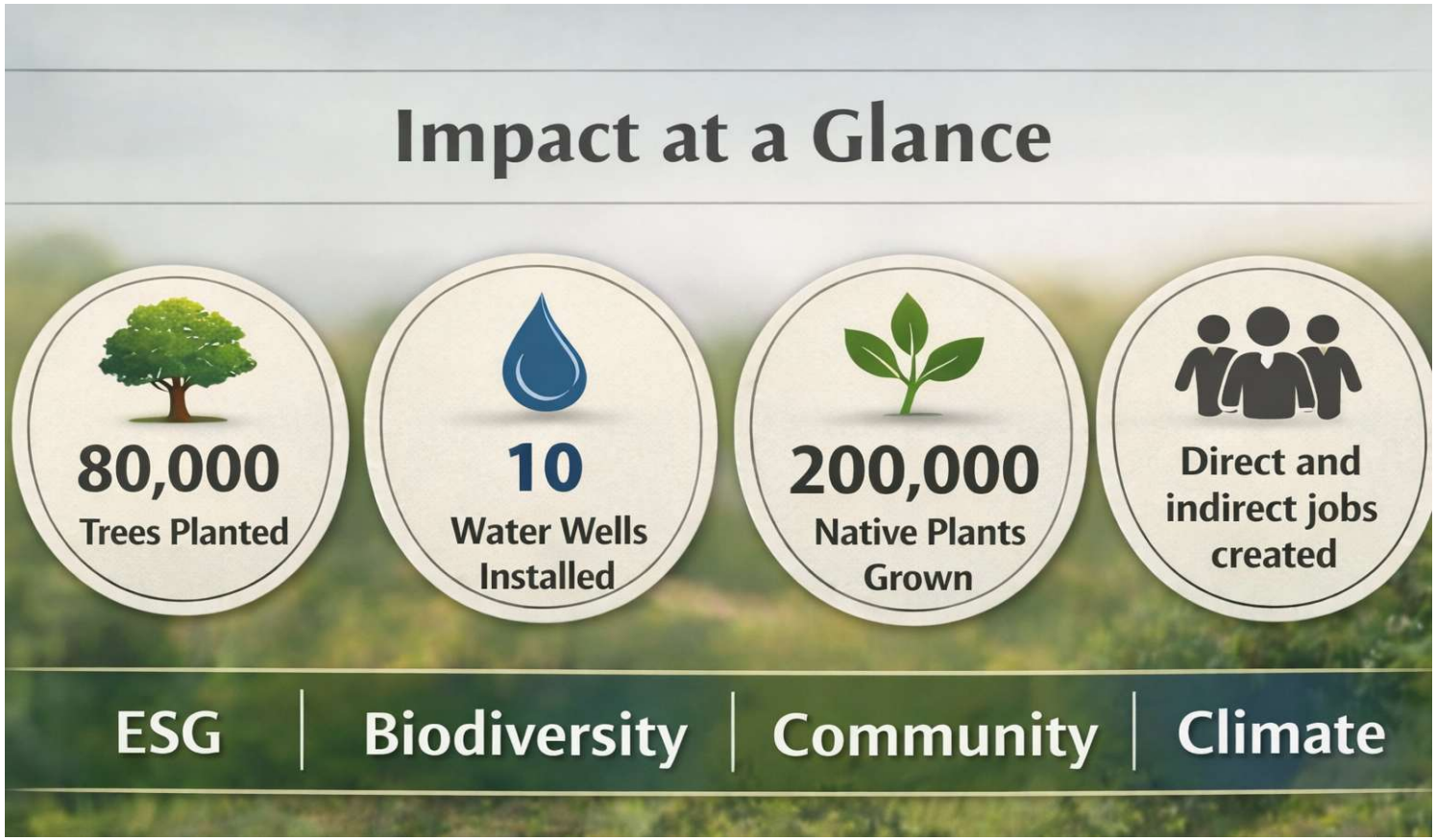
oilinvest

ARR – Tripoli Wildlife Park

This is not a concept on paper, but is a live, operational reality on the ground!



Zone A-1 is no longer a plan—it is a functioning green system



Activities and Work Completed – Areas A

Land Safety, Clearance and Preparation

Objective: Eliminate safety risks arising from past military use of the site, and restore degraded land and prepare it for sustainable planting.

Work Completed:

- dentification and clearance of UXOs across the site
- Safe neutralization of 780+ unexploded ordnance
- Land clearing, grading, and waste removal
- Stabilization of slopes and soil using native vegetation
- Full preparation of the 80-hectare site for planting

Outcome:

- Site declared safe for civilian and environmental use
- Critical risks eliminated, enabling project execution
- Land transformed into a stable, plant-ready ecosystem for long-term forest growth

Site Security & Protection Achievements

Objective: Secure the park to prevent further environmental degradation and enable safe restoration activities.

Work Completed:

- Installation of a 3-metre-high protective perimeter fence surrounding the full Zone A 180-hectare.
- Deployment of CCTV surveillance systems covering all key access points.
- Establishment of controlled gates and security checkpoints for staff and future visitors.

Outcome:
Zone A of the park was transformed into a fully protected ecological zone, providing immediate habitat security and enabling restoration activities to proceed safely and effectively.

Irrigation Network Installation & Water Supply Infrastructure – Zone A

Objective: Establish a reliable and sustainable irrigation system suitable for a semi-arid climate.

Work Completed

- Drilling of 10 operational water wells.
- Construction of 2 major water reservoirs (1 Million Litres) serving as central distribution hubs.
- Installation of over 41 km of water pipelines connecting wells to planting zones.
- Drip Irrigation Network and Jet Irrigation system (sprinklers) Installed: Full piping, sprinkler and drip systems laid and installed and under-ground irrigation system for efficient water management.

Outcome:
A fully functional water network and operational irrigation systems were delivered in under one year, enabling consistent and efficient irrigation essential for tree survival and growth.

Tree Procurement, Planting, Ground Cover & Nursery Setup

Objective: Secure long-term planting capacity and project scalability, and initiate large-scale afforestation and ecological recovery.

Nursery Setup Achievements Completed:

- Establishment of a dedicated on-site nursery.
- Introduction of complementary species, including pine and native shrubs.
- Ongoing production and maintenance of seedlings for future planting phases.

Planting Trees and Ground Cover Achievements Completed:

- Planting of over 80,000 trees within the first year.
- Application of a scientific 3 × 3 metre planting layout, allowing approximately 1,000 trees per hectare.
- Full irrigation coverage for planted zones.
- Establishment of native shrub cover in surrounding areas to enhance soil health.

Electricity & Power Infrastructure

Objective: Power supply for irrigation, nursery, and site operations. Ensure uninterrupted irrigation and operational reliability.

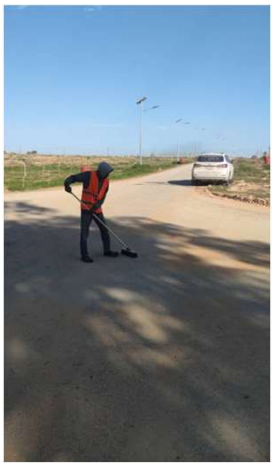
Achievements Completed:

- Installation of 2 new electrical transformers (0.5 MW each).
- Connection of the park to new grid power infrastructure.
- Full electrification of Irrigation motors, Water wells, and Control systems
- 20 additional electricity poles installed.
- Installation of solar-powered lighting along internal roads and work zones.
- Setting up Clean Energy infrastructure to serve power supply to the Park equipment.

Outcome:
The park now benefits from a robust and resilient power system supporting 24/7 irrigation and operations, particularly during peak summer condition.

Construction, Site Development & Public Facilities

Scope: Internal roads, public facilities, signage, and ongoing maintenance works



a. Internal Roads & Street Works

•Construction and rehabilitation of internal access roads within the park.
•Surface grading, leveling, and repair of existing pathways to support operational vehicles and maintenance activities.
•Improvement of road drainage and durability in high-use areas.

b. Street Painting, Markings & Signage

•Painting and marking of internal roads for improved visibility and safety.
•Installation of directional signage, safety signs, and informational boards.
•Wayfinding signage supporting public movement and site organization.

c. Public & Staff Facilities (Bathrooms & Service Units)

- Construction of bathroom facilities for staff and visitors.
- Installation of basic utility connections (water, sanitation).
- Design aligned with public-use standards and site functionality.

Outcome:

Improved accessibility for project operations, maintenance teams, and emergency services.
Enhanced safety, navigation, and visual organization within the park.
Improved working conditions for staff and enhanced visitor amenities.

Expert Engineering, Supervision & Technical Advisory

Objective: Ensure sustainability, quality, and international alignment.

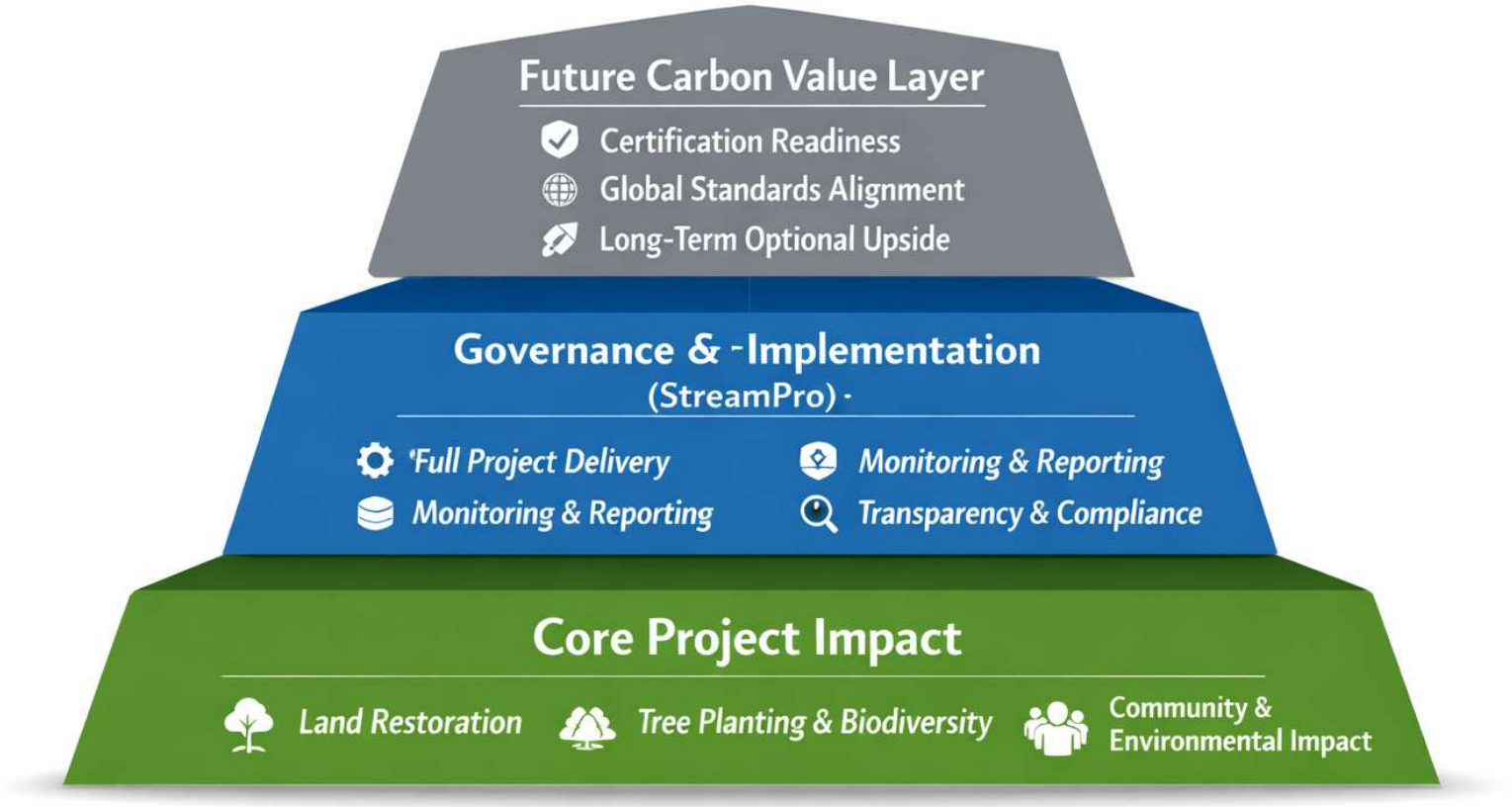
Achievements Completed:

- Continuous engagement of technical experts and specialists : Soil specialists, Forestry experts, Water engineers, Zoologists and botanists.
- Ongoing monitoring, testing, and performance assessment.
- Alignment with international frameworks, including the Verified Carbon Standard.

Outcome:

All interventions are measurable, scientifically guided, and aligned with recognized international environmental standards.

Project Value Architecture



*Partners invest in the **core impact**, supported by strong governance, with an added **future carbon value layer**.*

Karbon-X's role in ARR Libya

Karbon-X acts as the technical lead for ARR Libya, designing the project to align with international carbon standards while remaining grounded in Libya's regulatory and operational context.

Methodology & design

Advises on appropriate carbon methodologies, define baselines and boundaries, and ensure additionality, permanence, and leakage are addressed from the outset.

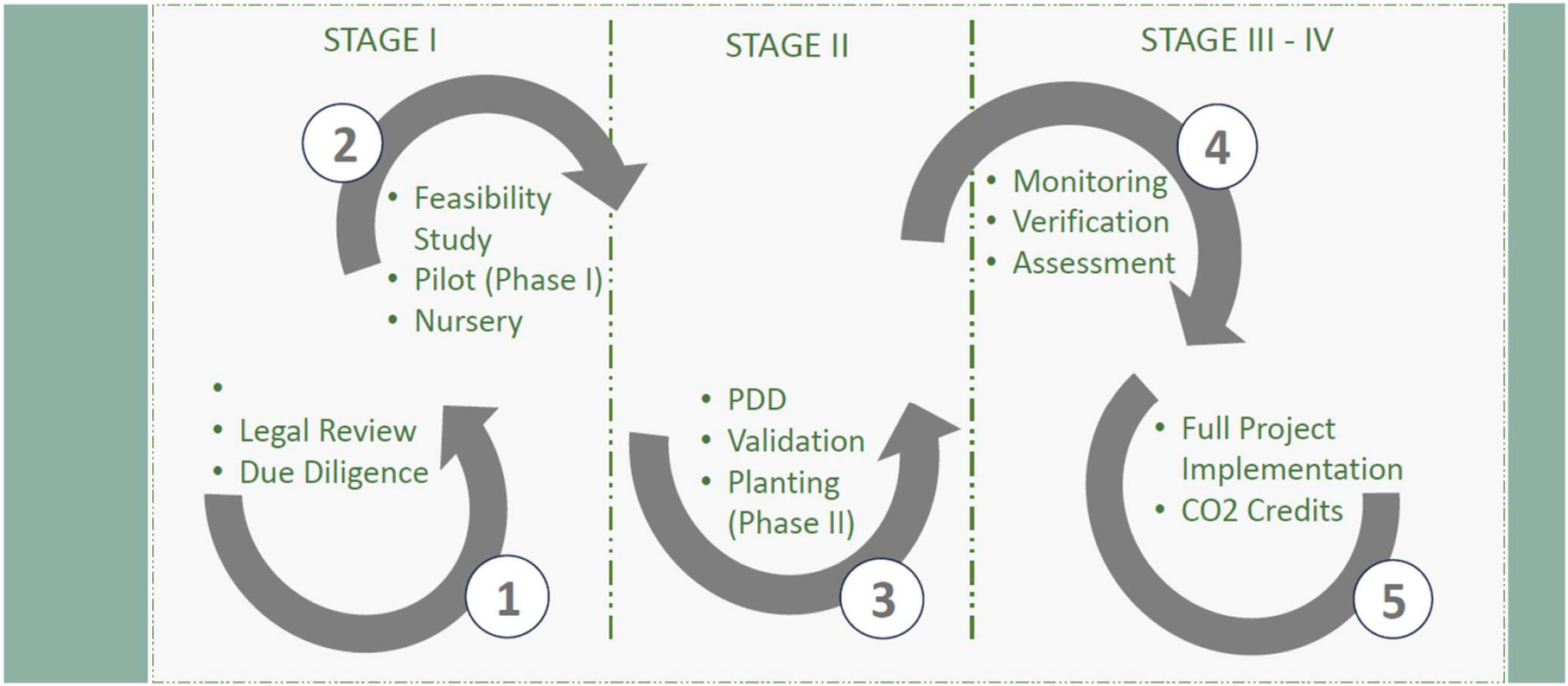
Accreditation pathway

Supports the documentation and governance structures required for third-party validation and alignment with recognised carbon standards.

Carbon readiness

Support the design of MRV systems and assess feasibility and scalability, positioning ARR Libya as a disciplined pilot for future carbon-ready land-use initiatives.

PROJECT STEPS



Future Carbon Value Layer

- Certification Readiness
- Global Standards Alignment
- Long-Term Optional Upside

Future Carbon Development Potential

- Working with Karbon-X to develop a carbon pathway
- Certification readiness & global standards alignment
- Potential long-term upside through carbon value generation
- Significant preparation, validation, and registration required

WHY PARTNER WITH US

Why This Partnership Works

- Strong local execution
- International standards alignment
- Proven progress on the ground
- Strategic alignment with OMV priorities

Looking forward to your partnership in the upcoming phases of the ARR Project

THANK YOU

Together, We Can Restore Nature. Create Impact. Build the Future.

Delivered by StreamPro | subsidiary of Oilinvest

Join us in expanding one of Libya's flagship environmental restoration and carbon development initiatives.

Contact StreamPro to discuss partnership opportunities

info@streamproltd.com
www.streamproltd.com