

ADS ECO — Business Concept

Integrated Circular Economy and Eco-Industrial Platform / English Premium Version



16:9 visual overview of ADS ECO as an integrated eco-industrial platform.

ADS ECO is designed as an integrated circular economy and eco-industrial platform that transforms waste streams into valuable resources, clean energy, organic products, and long-term economic value. The concept combines technology, infrastructure, environmental responsibility and investment logic into one scalable platform for Armenia.

Core concept: Waste Input → Sorting → Resource Recovery → Energy / Products / ESG Value → Market Revenue

1· Business Concept Overview

ADS ECO is built on a multi-stream value creation model, where municipal, commercial, industrial, organic and legacy waste streams are collected, sorted, processed and converted into marketable outputs through advanced technologies.

The project positions waste not as a final disposal burden, but as a recoverable resource that can support recycling, clean energy production, agro-industrial value creation, high-value material recovery, ESG performance and new investment opportunities.

The business concept integrates waste intake and AI-based sorting, advanced recycling, resource recovery, waste-to-energy solutions, agro-industrial processing, logistics, ESG management and investor participation into one coordinated operating ecosystem.

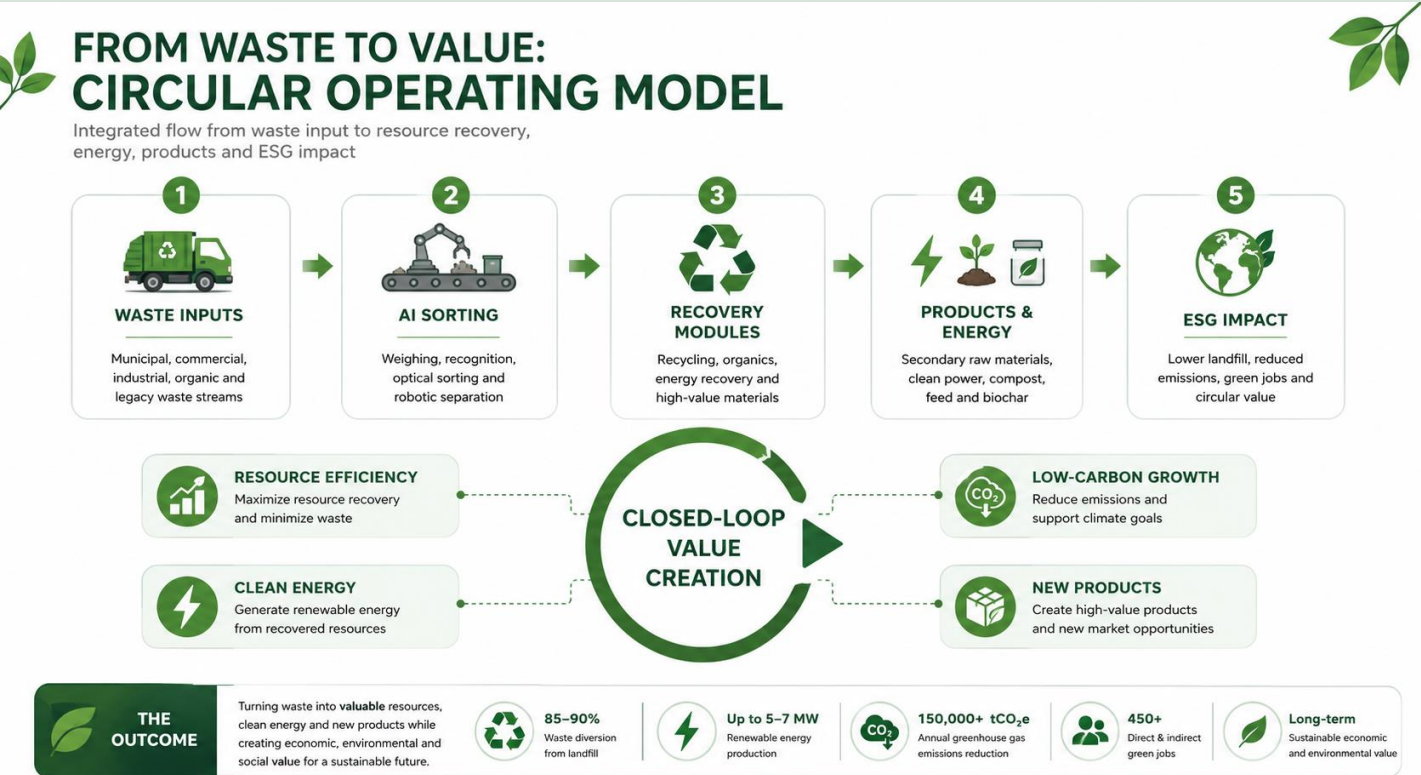
Circular by Design The platform keeps materials in use for as long as possible and minimizes residual disposal.	Multi-Stream Revenues Revenue is diversified across materials, energy, agro-products, services and ESG value.	Integrated Operations Process modules are connected through logistics, data, infrastructure and governance.
Investment Flexibility SPV, PPP and Joint Venture structures allow participation by different investor types.	ESG-Centered Value Environmental and social outcomes are measured, reported and integrated into business value.	Scalable Platform The model can be expanded through additional modules and high-value technologies.



2. Value Proposition

The primary value proposition of ADS ECO is to convert waste into value through an integrated circular economy platform. The project reduces landfill dependency, recovers materials, produces clean energy, supports organic and agro-based outputs, creates green jobs and provides measurable ESG impact for public, private and investment stakeholders.

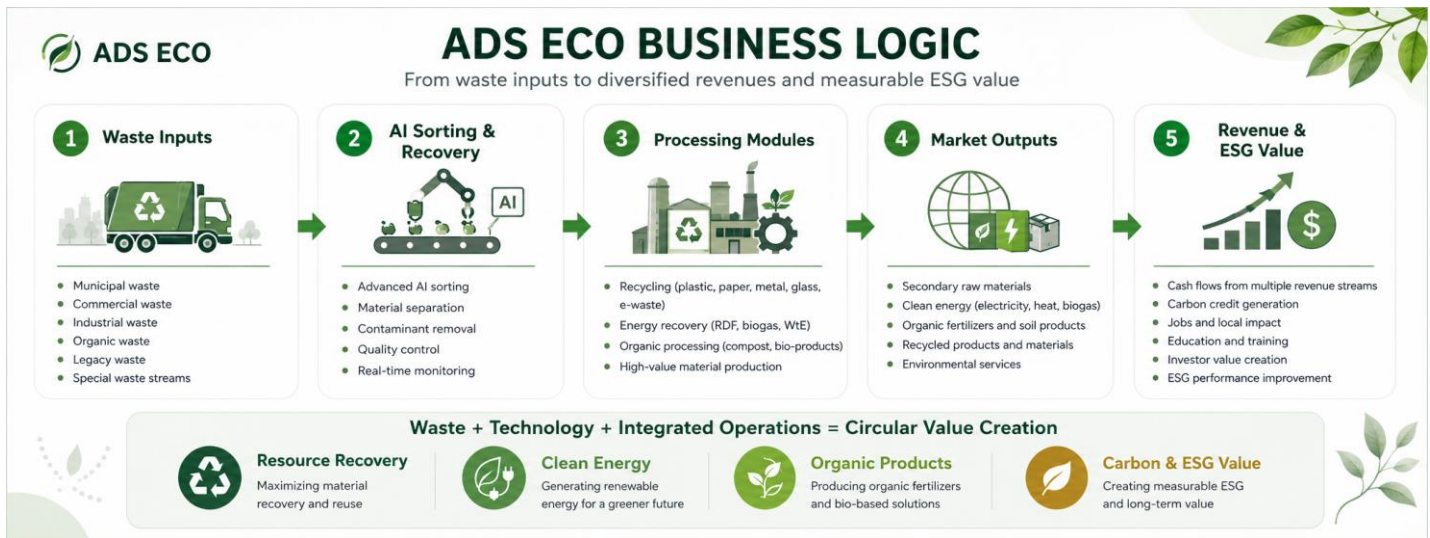
For Government & Communities Improved waste management, reduced landfill burden and stronger environmental protection.	For Investors A diversified infrastructure platform with multiple revenue streams and ESG positioning.	For Industry Reliable access to recovered materials, energy and resource-efficient industrial inputs.
For Agriculture Compost, fertilizers, bio-products and other organic value streams.	For Technology Partners A practical platform for deployment, demonstration and scaling of green technologies.	For Society New jobs, training, education and visible community impact.



Circular value-chain visualization: from waste streams to marketable outputs and ESG value.

3. Core Business Logic

ADS ECO follows a clear operational and commercial sequence. Waste inputs are received and sorted, recoverable streams are directed to appropriate processing modules, outputs are converted into marketable products or clean energy, and the resulting environmental impact is measured through ESG systems.



Business logic flow linking waste inputs, processing modules, outputs and market revenue.

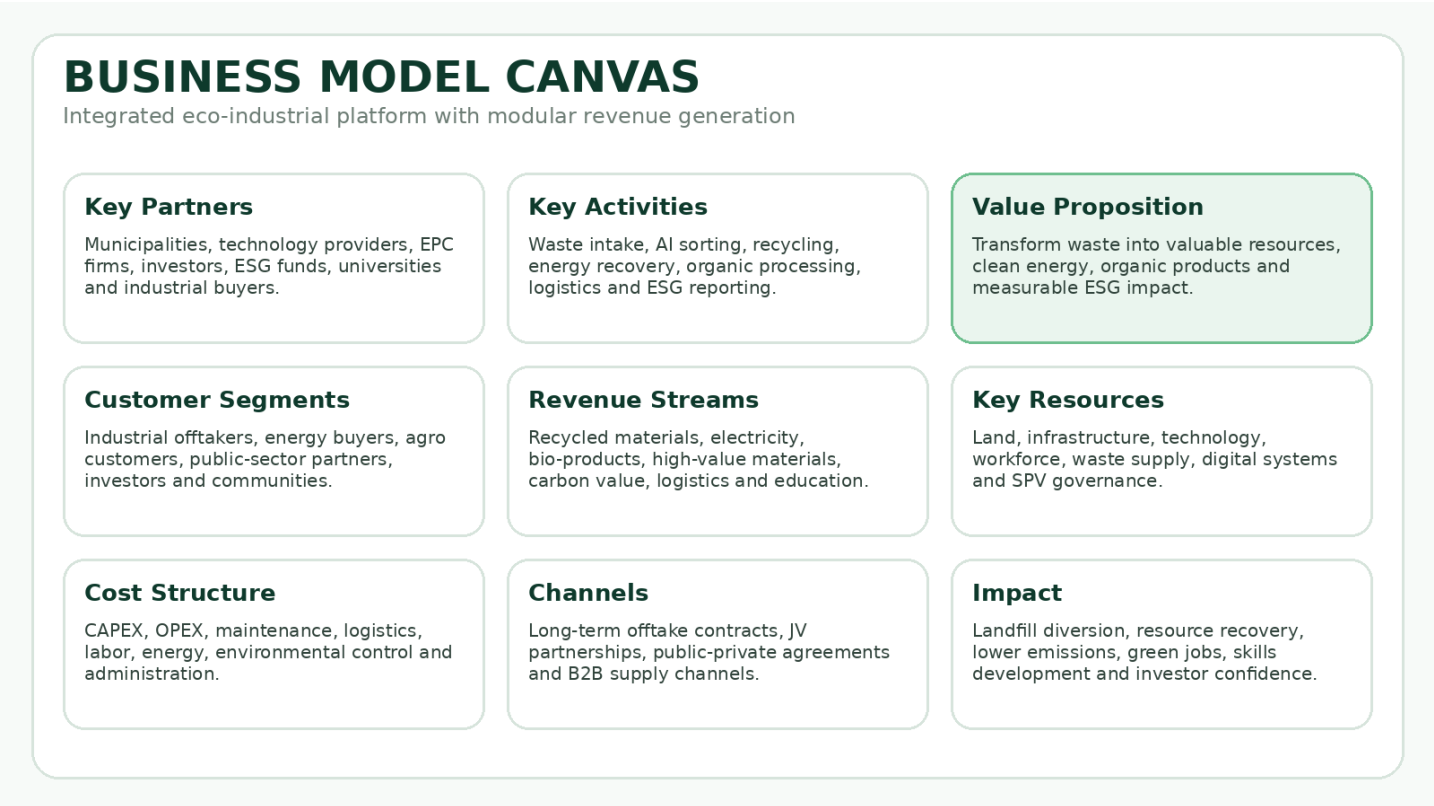
- Waste streams enter the platform through controlled logistics and intake systems.
- AI-assisted sorting and material separation improve recovery efficiency and reduce contamination.
- Recyclable streams are converted into secondary raw materials and industrial inputs.
- Residual non-recyclable flows can support clean energy production.
- Organic streams can become compost, fertilizers, animal feed and other agro-related products.
- Digital monitoring and ESG reporting strengthen transparency and investor confidence.



Closed-loop circular economy and resource recovery model.

4. Business Model Canvas

The ADS ECO business model can be structured as a modular platform, combining infrastructure development, processing operations, market sales, ESG value and partner participation. The model is designed to remain flexible as the project expands and as different investor, groups participate in specific modules.



Indicative business model canvas for ADS ECO.

Key Partners Technology suppliers, EPC contractors, investors, municipalities, industrial buyers and ESG institutions.	Key Activities Waste intake, sorting, processing, recycling, energy recovery, logistics and ESG reporting.	Key Resources Land, infrastructure, technology, skilled workforce, waste supply and digital systems.
Customer Segments Industrial buyers, energy customers, agriculture, public sector, investors and communities.	Cost Structure CAPEX, OPEX, workforce, maintenance, logistics, utilities, ESG and compliance.	Revenue Streams Recovered materials, energy, organic products, high-value recovery, ESG value and services.

5. Operating Ecosystem and Core Modules

The operating ecosystem consists of interconnected modules that work together rather than as isolated facilities. This integrated structure improves operational efficiency, reduces risk and allows new modules to be added over time.



Operating architecture showing interconnected ADS ECO modules and platform functions.

Waste Intake & AI Sorting <i>Receiving, weighing, pre-sorting, optical sorting, robotics and material routing.</i>	Advanced Recycling <i>Processing of plastics, paper, metals, glass, textiles, wood and other recoverable streams.</i>	Waste-to-Energy <i>Recovery of energy from residual, non-recyclable waste streams.</i>
Agro & Bio-Industry <i>Conversion of organic streams into compost, fertilizers, feed and bio-based products.</i>	Logistics & Storage <i>Internal material flow, warehouse operations, dispatch and transport coordination.</i>	ESG & Education <i>Monitoring, reporting, training, stakeholder engagement and public awareness.</i>

6. Revenue Model

ADS ECO’s revenue model is intentionally diversified. This reduces dependence on a single commodity or tariff and improves resilience across market cycles. Revenue can be generated from recycled materials, clean energy, agro-products, high-value materials, logistics services, ESG value and educational or demonstration activities.

PRELIMINARY REVENUE MIX

Illustrative multi-stream business model supporting resilient cash flows



Indicative diversified revenue mix across ADS ECO business lines.

Recycled Materials Plastics, paper, cardboard, metals, glass, textiles, wood and industrial material streams.	Clean Energy Renewable power and possible heat recovery from residual waste-to-energy systems.	Agro & Bio Products Compost, fertilizers, animal feed, biochar and greenhouse-related outputs.
High-Value Materials Recovered value from batteries, e-waste, solar panels and advanced resource streams.	ESG / Carbon Value Carbon reduction, ESG reporting value, climate finance and impact-linked opportunities.	Platform & JV Income Joint ventures, partnership fees, technology modules and investor participation structures.

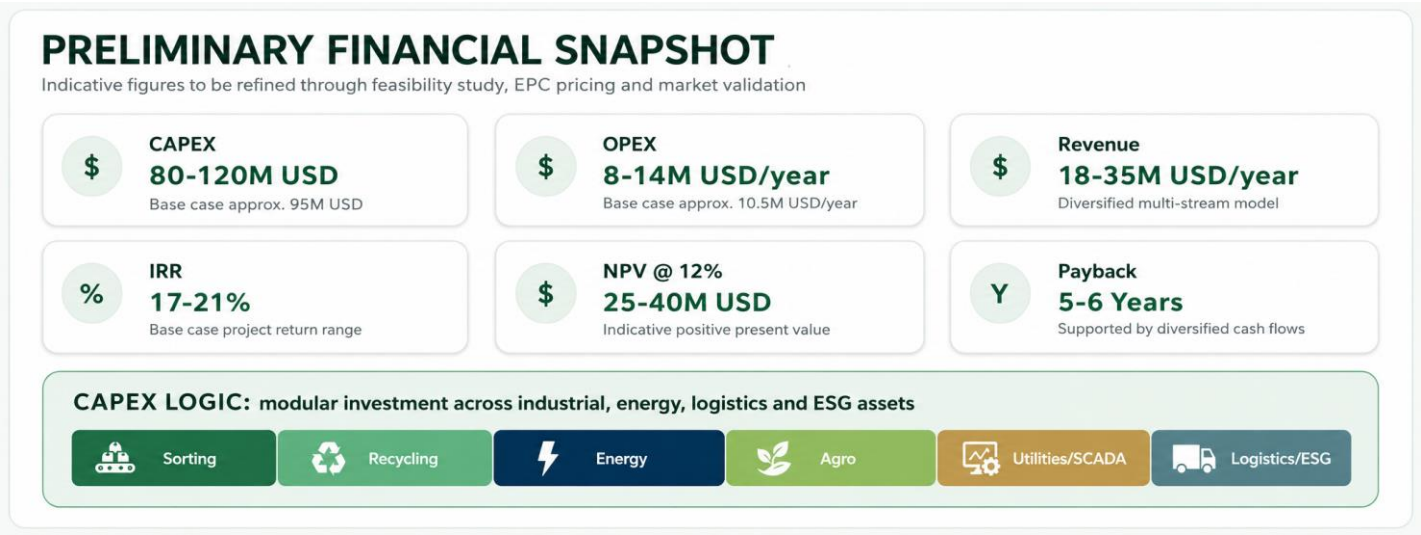


Financial summary and revenue diversification overview.

7. Preliminary Financial Logic

At the preliminary concept stage, ADS ECO is positioned as a capital-intensive but diversified infrastructure platform. The investment case depends on stable waste supply, efficient recovery performance, market access for outputs, energy monetization and disciplined operating cost management.

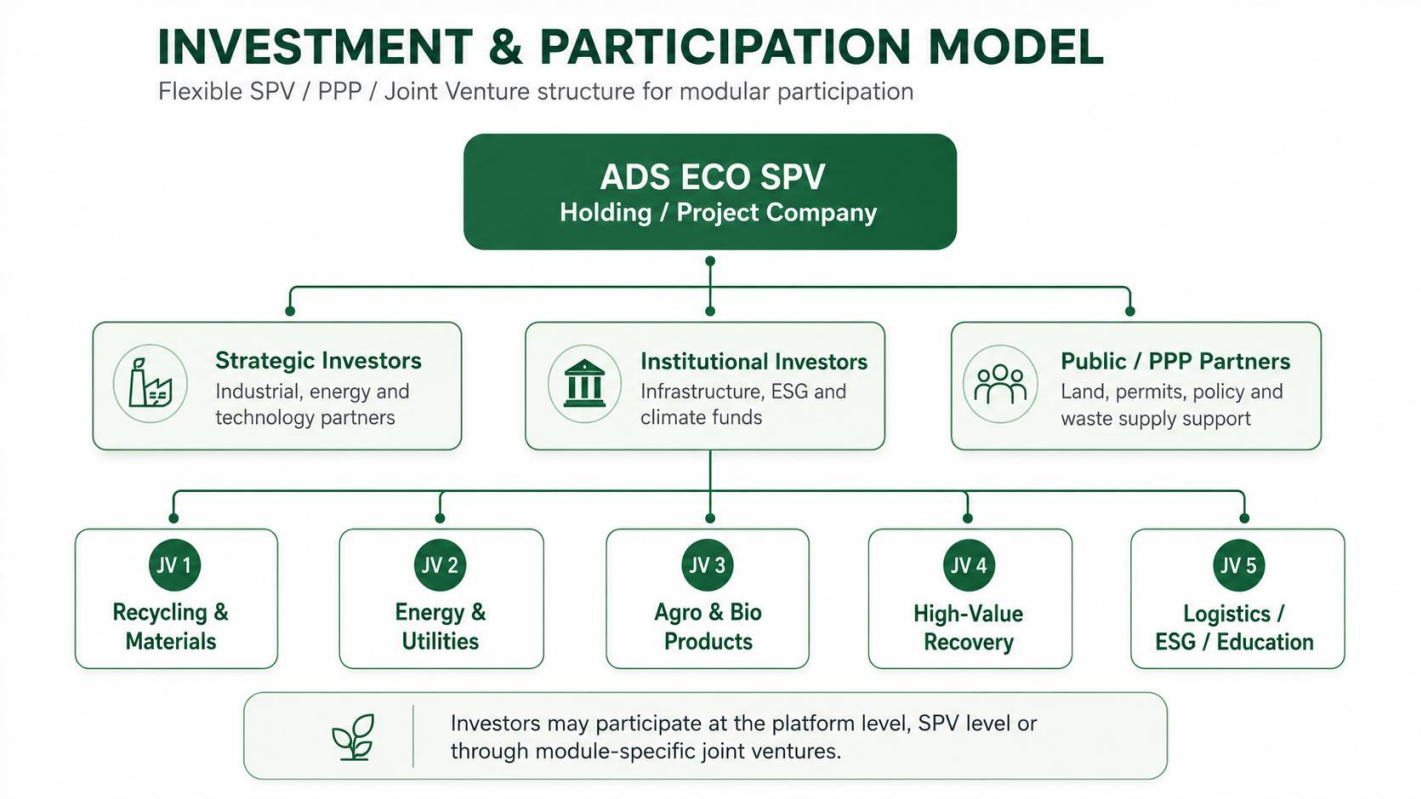
Metric	Indicative Value
Indicative Total CAPEX	USD 80-120 million
Base Case CAPEX	Approximately USD 95 million
Annual OPEX	USD 8-14 million
Annual Revenue Potential	USD 18-35 million
Base Case EBITDA	Approximately USD 14.5 million
Indicative IRR	17-21%
NPV @ 12%	USD 25-40 million
Payback Period	Approximately 5-6 years



Indicative business concept financial dashboard

8. Investment and Governance Structure

ADS ECO can be developed through a flexible SPV / PPP / Joint Venture structure. This allows the platform to combine strategic investors, technology partners, institutional funds, ESG investors and industrial participants under a transparent project governance model.

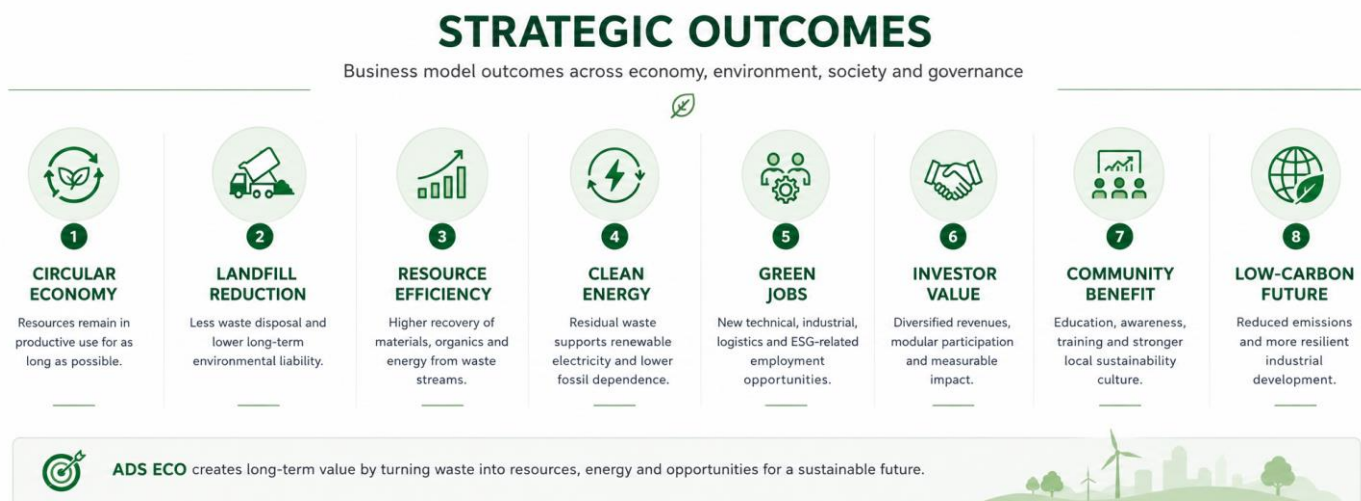


9. ESG Value and Strategic Outcomes

The business concept is strengthened by measurable ESG impact. Environmental value comes from landfill diversion, reduced emissions, resource recovery and clean energy. Social value comes from job creation, skills development and community education. Governance value comes from transparent monitoring, reporting, controls and investment discipline.



ESG impact and strategic outcomes for the ADS ECO platform.



Strategic outcomes generated by the business concept.

ESG logic: lower landfill dependency, stronger recovery, cleaner energy, green jobs, transparent reporting and long-term investor confidence.

10. Business Concept Summary

ADS ECO's business concept is to convert waste into value through an integrated circular economy platform. The model is built around diversified revenues, modular investment structures, scalable operating zones and measurable ESG impact.

The platform creates value by combining waste intake, AI sorting, recycling, resource recovery, waste-to-energy, agro-industrial production, logistics, education and ESG governance within one coherent business ecosystem.

For Armenia, ADS ECO can become a flagship eco-industrial platform that delivers clean energy, secondary raw materials, green jobs, resource efficiency and long-term investment value.

Final positioning: ADS ECO transforms waste from an environmental liability into a valuable economic resource, creating a sustainable, low-carbon and circular industrial ecosystem for Armenia.



ADS ECO business concept: From Waste to Value — Clean Energy, Clean Armenia.