

CLIMATE & SUSTAINABLE FINANCE

Turning Climate Ambition Into Financially Sustainable Action

Finance-led advisory for climate-resilient infrastructure, sustainable investment, circular-economy projects, and development programs.



INVESTABLE | RESILIENT | FINANCIALLY SUSTAINABLE

ACS SYNERGY helps public institutions, utilities, development organizations, and infrastructure programs translate climate and sustainability priorities into **financially viable, investment-ready, and implementable solutions.**

Our work combines **climate finance strategy, green infrastructure finance, project economics, carbon and environmental revenue analysis, blended finance, climate-risk modeling, and independent financial and commercial evaluation.**



THE CLIMATE FINANCE CHALLENGE

CLIMATE AMBITION REQUIRES FINANCIAL IMPLEMENTATION

Climate resilience, decarbonization, resource efficiency, and sustainable urban development increasingly shape infrastructure and public-service priorities.

But identifying the need for action is only the beginning.

Institutions must still determine:

- ✓ what investments are genuinely required
- ✓ what those investments will cost over their full lifecycle
- ✓ how projects should be funded and financed
- ✓ whether proposed revenues and savings are realistic
- ✓ how climate and environmental risks affect project economics
- ✓ whether public-sector support is affordable
- ✓ how private and development capital can be mobilized
- ✓ whether proposed projects remain viable under downside scenarios

The challenge is therefore not simply developing climate strategies.

It is converting climate priorities into credible investment programs, sustainable financial models, and implementable projects.

The current waste-to-value opportunity **ACS** is reviewing illustrates this interaction clearly: project viability depends simultaneously on feedstock, technology yields, CAPEX and OPEX, Bio-CNG and fertilizer revenues, carbon-credit economics, financing, public-sector contributions, PPP structure, and risk allocation.



FROM CLIMATE PRIORITY TO INVESTMENT DECISION

ACS SYNERGY brings financial discipline to the climate-investment process.



Prioritize

Which interventions create the strongest financial, economic, environmental, and service outcomes?



Model

What are the long-term capital, operating, revenue, affordability, and funding implications?



Structure

How should grants, concessional finance, public resources, commercial debt, and private capital be combined?



Evaluate

Are the project assumptions, returns, risks, and public-sector commitments realistic and properly understood?



Finance

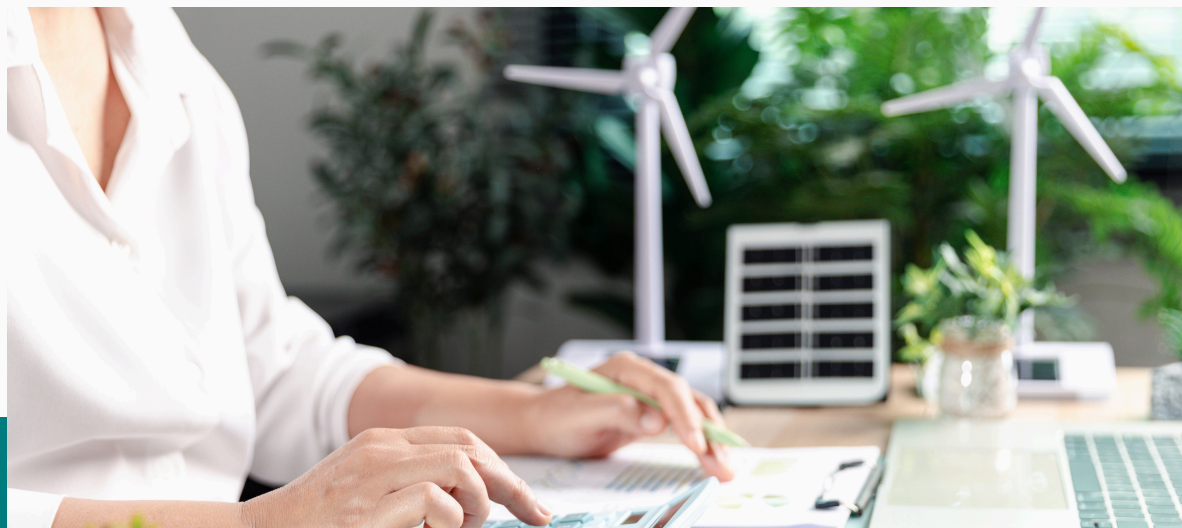
What funding and revenue structures can make the investment viable?



Implement

Can the financial structure be sustained within institutional, regulatory, and operating realities?

Our role is to bridge the gap between sustainability objectives and the financial decisions required to deliver them.



CORE CAPABILITIES

FINANCE-LED ADVISORY FOR SUSTAINABLE INVESTMENT



CLIMATE FINANCE STRATEGY & INVESTMENT PLANNING

Connecting climate priorities with financial and investment reality.

ACS supports institutions in translating sustainability objectives into structured investment programs.

Our work may include:

- ✓ Climate investment-needs assessment
- ✓ Prioritization of resilience and sustainability investments
- ✓ Multi-year investment planning
- ✓ Fiscal-space and affordability assessment
- ✓ Funding and financing strategy
- ✓ Integration of climate priorities into capital planning
- ✓ Project-prioritization frameworks
- ✓ Financial roadmaps for implementation

The objective is to establish a practical link between **climate strategy, public finance, infrastructure planning, and investment delivery.**

GREEN INFRASTRUCTURE FINANCE

Making sustainable infrastructure financially viable over its full lifecycle.

We provide financial and investment analysis for areas including:

- ✓ Climate investment-needs assessment
- ✓ Prioritization of resilience and sustainability investments
- ✓ Multi-year investment planning
- ✓ Fiscal-space and affordability assessment
- ✓ Funding and financing strategy
- ✓ Integration of climate priorities into capital planning
- ✓ Project-prioritization frameworks
- ✓ Financial roadmaps for implementation

Our support can include lifecycle financial modeling, investment appraisal, financial and economic feasibility, affordability analysis, funding strategy, tariff and revenue assessment, PPP analysis, and long-term capital planning.

This closely complements ACS's existing infrastructure-finance capability, which already focuses on lifecycle cost, affordability, fiscal impact, PPP structures, and investment readiness.



PROJECT BANKABILITY & INDEPENDENT EVALUATION

Testing whether proposed sustainable projects are financially and commercially sound before commitments are made

Climate and green-infrastructure proposals can appear compelling at a conceptual level while depending on optimistic assumptions around costs, revenues, markets, technology, financing, or public support.

ACS can independently assess:

- ✓ Financial-model integrity
- ✓ CAPEX and OPEX
- ✓ Revenue and offtake assumptions
- ✓ Financing and investor returns
- ✓ Public-sector contributions
- ✓ Affordability and fiscal exposure
- ✓ Commercial structure
- ✓ Risk allocation
- ✓ Scenario and sensitivity results
- ✓ Downside resilience
- ✓ Conditions required for viability

The purpose is to help decision-makers distinguish between a project that is **environmentally attractive** and one that is also **financially viable, commercially sound, and implementable**.

This mirrors the financial and commercial review framework ACS developed for the Suthra Punjab Waste-to-Value Cell.



CARBON & ENVIRONMENTAL REVENUE ECONOMICS

Understanding how climate-related revenues affect project viability.

Carbon credits and other environmental revenue streams can improve project economics, but they should be treated as part of a broader financial model rather than as guaranteed value.

ACS supports:

- Preliminary financial assessment of carbon-revenue opportunities ✓
- Carbon-price and volume scenarios ✓
- Integration of environmental revenues into project models ✓
- Assessment of registration, monitoring, verification, and transaction costs ✓
- Timing and probability analysis ✓
- Revenue-sharing structures ✓
- Sensitivity analysis ✓
- Impact on investment returns and funding requirements ✓

Our focus is the **financial and commercial implication** of climate revenues.

Specialist validation, registration, verification, and certification remain within the remit of appropriately qualified carbon-market and environmental professionals. That scope distinction is also reflected in ACS's current waste-to-value review approach.

WASTE-TO-VALUE & CIRCULAR ECONOMY FINANCE

Aligning environmental outcomes with commercially sustainable project economics.

ACS supports the financial and commercial evaluation of:

- ✓ Waste-to-energy
- ✓ Biogas and Bio-CNG
- ✓ Biofertilizer and organic-waste projects
- ✓ Refuse-derived fuel
- ✓ Recycling and material recovery
- ✓ Composting and resource recovery
- ✓ Landfill gas and methane recovery
- ✓ Integrated circular-economy infrastructure

Our analysis can address:

feedstock



conversion yields



CAPEX



OPEX



tipping fees



product revenues



energy revenues



carbon revenues



financing



investor returns



public sector support



PPP risk allocation



The current Harbanspura proposal demonstrates this multi-revenue model directly, combining Bio-CNG, biofertilizer, carbon-credit revenues, private investment, public land, and a proposed DBFOM concession structure.



BLENDING FINANCE & DEVELOPMENT FUNDING

Combining different sources of capital to improve project viability.

Many sustainable infrastructure projects generate strong development value but cannot initially support purely commercial finance.

ACS helps evaluate funding structures involving:

- ✓ Development grants
- ✓ Concessional finance
- ✓ Public-sector capital
- ✓ Development finance institutions
- ✓ Commercial debt
- ✓ Private investment
- ✓ PPP structures
- ✓ Climate and green-finance instruments
- ✓ Viability-gap support

Our work includes financial modeling, funding-gap analysis, affordability assessment, capital-structure evaluation, and scenario testing.

The objective is to build a coherent funding structure around project economics rather than viewing each financing source in isolation.

CROSS-CUTTING CAPABILITY

Sustainability-Linked Financial Modeling & Climate Risk Analysis

Across all these areas, ACS develops financial models that can integrate:

- ✓ Climate investment requirements
- ✓ CAPEX and OPEX transition pathways
- ✓ Resource-efficiency savings
- ✓ Environmental revenues
- ✓ Adaptation costs
- ✓ Asset-life implications
- ✓ Climate-related service disruption
- ✓ Fiscal exposure
- ✓ Tariff and user-fee impacts
- ✓ Funding scenarios
- ✓ Cost of adaptation versus cost of inaction

Financial modeling therefore acts as the analytical foundation for climate-investment decisions.



FROM ANALYSIS TO IMPLEMENTATION

1. DIAGNOSTIC & BASELINE

Understand climate priorities, infrastructure requirements, existing funding arrangements, project assumptions, revenue structures, and institutional constraints.

2. FINANCIAL & SCENARIO MODELING

Quantify investment requirements, operating impacts, revenues, financing needs, risks, and alternative implementation scenarios.

3. INVESTMENT & FINANCING STRATEGY

Evaluate funding sources, capital structure, revenue mechanisms, risk allocation, affordability, and investment priorities.

4. IMPLEMENTATION ROADMAP

Translate analysis into sequenced, realistic actions, decision tools, investment programs, and implementation requirements.

Where projects require engineering, environmental, legal, carbon-market, or other specialist inputs, ACS works alongside appropriately qualified experts while focusing its role on **financial, commercial, investment, and strategic analysis**.

WHO WE SUPPORT

- ✓ Public institutions and sector authorities
- ✓ Municipal and city governments
- ✓ Public utilities
- ✓ Climate and environmental agencies
- ✓ Infrastructure and PPP units
- ✓ Development organizations

- ✓ Donor-funded programs
- ✓ Development finance institutions
- ✓ Authorities assessing privately proposed green infrastructure
- ✓ Public-private project teams
- ✓ Infrastructure investors and operators where public-service objectives are involved



WHY ACS SYNERGY



Finance-Led Perspective

Sustainability priorities translated into investment, funding, revenue, affordability, and long-term financial implications.



Infrastructure & Utilities Experience

Strong understanding of the sectors where climate investment is increasingly concentrated.



Advanced Financial Modeling

Scenario-driven analysis of costs, revenues, financing, fiscal impact, investment returns, and downside risk.



Public + Private-Sector Perspective

Projects viewed from the perspectives of public institutions, investors, operators, and financiers.



PFM, Tariff & Revenue Capability

Climate investment considered within broader fiscal, utility, municipal, and service-financing realities.



Independent Decision Support

Rigorous evaluation of financial assumptions, commercial structures, public-sector exposure, and investment viability.





ABOUT ACS SYNERGY

ACS SYNERGY is a Singapore-headquartered global advisory and finance-transformation firm supporting corporate, public, and development-sector clients across the GCC, United Kingdom, South Asia, North America, and international markets.

Our Development & Public Sector practice supports institutions in building **financially sustainable infrastructure, public services, and investment programs**, combining senior advisory expertise with rigorous financial modeling and practical implementation support.

Sustainable development requires financially sustainable investment.

Discuss Your Climate or Sustainable Finance Priorities.

Connect with **ACS SYNERGY** to discuss climate finance, green infrastructure, blended finance, carbon-revenue economics, circular-economy projects, or independent financial and commercial project evaluation.



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