

INVESTMENT
MEMORANDUM



SICA

Public Driven Climate Tech Platform

Powered By **TW0618 CAPITAL**



THE SPECTRUM OF SICA

Basis of Sustainability

Chairman's Statement

What is SICA ?

Our Team of Experts

Our Alliance Partners

Our Process Flow

Why us ?

Our Focus Area on Sustainability

Portfolio of SICA

Get in Touch





BASIS OF SUSTAINABILITY (Climate-Tech is not an Option any more, its Mandatory)

Global Warming threat!! - According to the International Energy Agency, total greenhouse gas emissions reached 45 GT of CO2 equivalent in 2023. Global emissions of carbon dioxide (GHG's) constantly increase each year, which ultimately leads to an increase in the world's temperature. According to the United Nations Environment Program, to keep temperature increase within 2 degrees by 2100, emissions must fall by 25% before 2030.



Food Insecurity - As many as 828 million people are unsure of where their next meal is coming from. We have a choice: act now to save lives and invest in solutions that secure food security, stability and peace for all, or see people around the world facing rising hunger.

Global Water Challenge - As of 2020, some 2 billion people still lacked safe drinking water in their homes, and around one-third of people did not have basic hand washing facilities at home, according to data from the World Health Organization (WHO) and the UN children's agency UNICEF.

Unemployment - Overall, global unemployment is around 210 million people as of 2023, with an unemployment rate of 5.8%. Unemployment challenges global peace.

Climate business will only scale and have impact with significant public participation



Adopting to sustainable ways are no more an option.



The ClimateTech is \$12 Trillion, growing at a faster pace than any industry.



SICA FUND



**Financing Gateway for
Sustainability Enablers and
Climate Warriors.**

www.sicafund.org



CHAIRMAN'S STATEMENT

Recent global events, both related to the pandemic and climate change, have exposed chinks in our present development model and brought to the fore an urgent need to address the United Nations Sustainable Development Goals.

SICA business philosophy has been to lead 'DeCarbonization, Digitalization, and Decentralization'.

- Clean Air- Deep De-carbonization to Net Zero- Carbon Sequestration
- Clean Food Program
- Clean Energy Program
- Clean Water and Sanitation program
- Clean Up – Reduce, Reuse and Recycle Program
- Green Infrastructure & Eco Building
- Human Capital Improvement

SICA has articulated its ESG framework and augmented its ESG riskmanagement. SICA has internalized ESG and 'Integrated Thinking', centered around multi-capital value-creation model. Internally, progress is measured through KPIs depicting the achievement of ESG objectives.

SICA's value creation story, delineated in this report, is about opportunity for in 'ClimateTech space'. The company is excited about the congruence of opportunity in the industry and itself and will be keen to listen to stakeholders' concerns and suggestions.



Ravi Pandit

Chairman, SICA Fund



New Normal of Stakeholder Trust - One constant at SICA has been its adherence to a code of conduct and foundational values on which SICA's edifice has been built. This unwavering commitment to values in the evolution of SICA's business activities and its business model has been a source of continued stakeholder trust in SICA. SICA has articulated its ESG framework and augmented its ESG risk management. SICA has internalized ESG and 'Integrated Thinking', centered around multi-capital value-creation model. Internally, progress is measured through KPIs depicting the achievement of ESG objectives. Going forward, SICA will link the ESG performance to the remuneration of its leadership.

Good Governance - Mutual respect, trust, and candor have always been core to the Board function. The Board has been apprised of the SoPs that are being followed in operations during the pandemic. The Board continued its deliberations on the company's transformational strategy to harness the opportunities arising out of 'ClimateTech' and regularly reviewed strategy and capex deployment. As the company is treading into innovative technologies, novel partnerships, and new markets, the risks are diligently identified, mitigated and appropriate provisions made for residual risk.



WHAT IS SICA?

OUR MISSION



SICA provides access to capital, growing the clean economy to develop a more equitable, resilient, and sustainable world.

SICA leverages public purpose funding to attract private capital to:

- Create jobs and spur economic growth
- Meet the localized sustainability & resilience goals
- Improve green cover
- Agro forestry
- Sustainable Agriculture and farming
- Reduce carbon emissions & install clean energy systems
- Reduce residents' utility costs
- Improve Green infrastructure.
- Waste management and Waste to wealth
- Net Zero and circular economy creation

SICA is primarily a **climate tech financing infrastructure initiative** that serves as the principal platform for international cooperation, supports countries in their sustainability inclusion, and provides state of the art data and analyses on technology, innovation, policy, finance and investment. SICA drives the widespread technology adoption for economic and social resilience and prosperity and a climate-proof future.

SICA aims to roll out membership in 167 countries and the EU. This, we believe would decide on the Global's strategic direction and programmatic activities, in line with the SDG discourse and priorities to accelerate the deployment of proven sustainability practices worldwide.

OUR VISION



A Thriving, Clean Economy

SICA values **Sustainability**. We know that when economic development, the environment, & public health are in balance that communities will thrive.

SICA values the **Clean Economy**. We are investing in a clean economy where economic renewal and job creation go hand-in-hand with a cleaner, more energy-efficient, and resilient community.

SICA values **Inclusive Prosperity**. We are investing in climate tech and a resilient future making sure there is a downstream economical value creation & provide last mile inclusion of resources & benefits.

WHY US ?



Climate-Tech redefined.

SICA uses the power of blockchain technology, fintech and other cutting edge technologies to bridge the gap between liquidity provider and the climate warriors.

The Selection criteria of the projects are in line with UN KPI's and the ultimate transparency and accountability are established both for the investor protection and for proper ESG audit.

We empower grass root warriors in our platform for global audience to co-partner and participate in climate tech projects.



OUR TEAM OF EXPERTS

Our team has a **combined industrial experience of 500+ Man years** across different industries (International banking & finance, capital markets, various fields of engineering, technology, and science as a core intellectual capital).

- Ravi Pandit** – Chairman
- Mark LM Quinn** – Founder Director,
- Dr Ganapathy Arumugam** – Group Science Director and Founder
- Miss. A. Ramalakshmi** – Director and Founder.
- Harish Mohan** – CEO and Director Commercials
- Michelle E Macdonald** – CFO
- Dr. Guerry L. Grune** – Director of BioFuel, Principle of CPS Biofuels, USA
- Dr. Swaminathan D** – Director, Algae Research
- Dr. Vasudevan Mahalingam** – Director, IT
- Dr Ir Remond Pahladsingh** – Director Green Energy, (Distinguished Scientist on Thorium Energy, Global In charge on Project funding for EZRA Holdings, Europe)
- Prof (Dr) Joel L. Cuello** – Director Human Capital program, (Distinguished Scientist (Phycology) Associate Professor of The University of Arizona, USA)
- Miss. Gayathri Vishali** – Director Horticulture and Precision Farming
- Prof (Dr) M. Jayapragasam** – Director R&D (Distinguished Scientist in Biotechnology and Biochemistry, Former Professor, Tamil Nadu Agricultural University.
- Prof (Dr) Jag Sankar** – Advisor, Professor North Carolina State A & T University and White House millennium researcher, Greensboro, USA
- Dr. Sakkarai** – Commercial Operation – Projects and Govt Coordination
- Er. G. Sankarasubramanian** – Chief Engineer Public Relations & Commercial Operations – Projects
- Er. P. Rajakumaran** – Director- Special Projects
- Shri. Sankaranarayanan** – Project Engineer
- Dr. A. K. Gupta** – Advisor Distinguished Scientist, Indian Institute of Petroleum, Dehradun, New Delhi

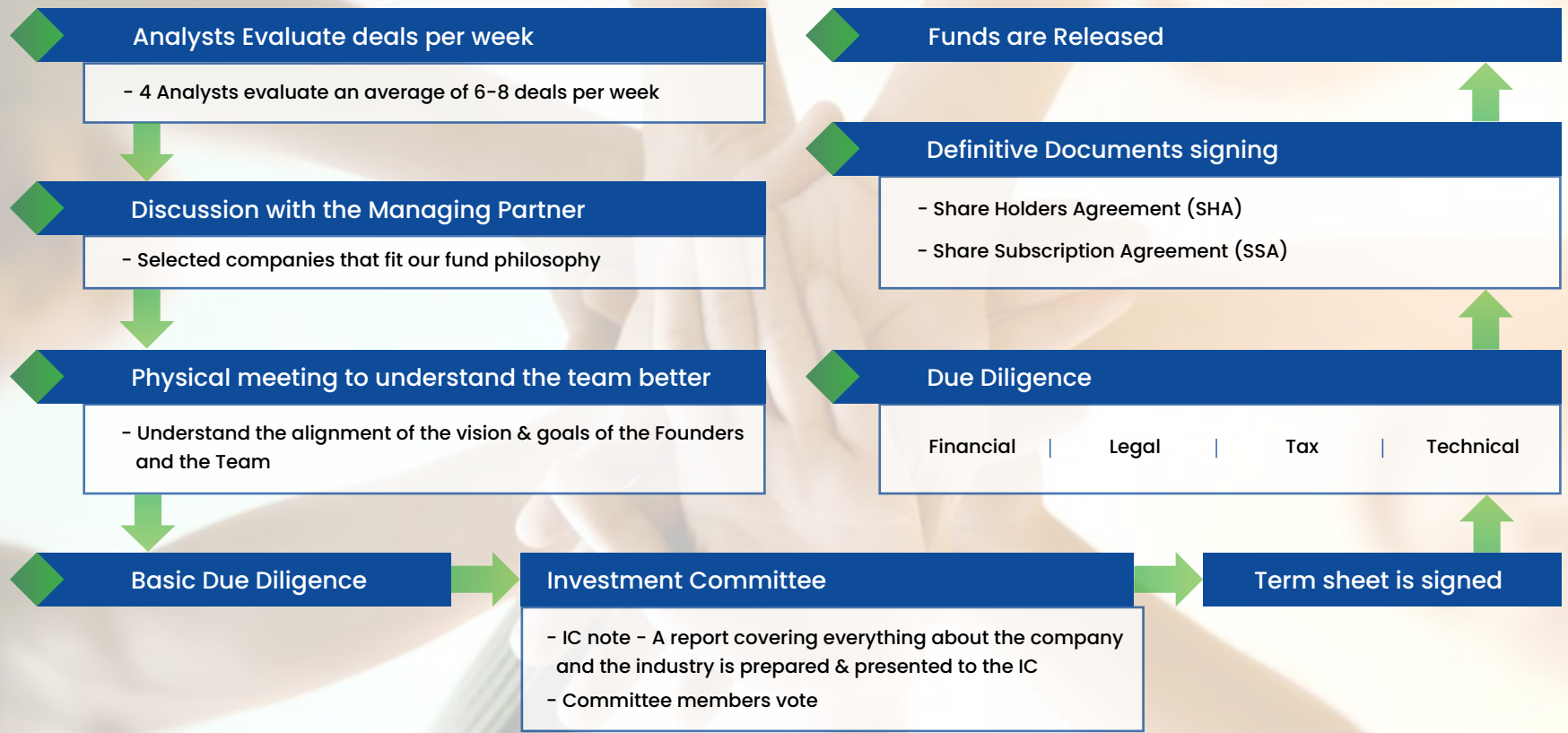


OUR ALLIANCE PARTNERS





OUR PROCESS FLOW (From Identification to Investment)



Analysts Evaluate deals per week

- 4 Analysts evaluate an average of 6-8 deals per week

Discussion with the Managing Partner

- Selected companies that fit our fund philosophy

Physical meeting to understand the team better

- Understand the alignment of the vision & goals of the Founders and the Team

Basic Due Diligence

Investment Committee

- IC note - A report covering everything about the company and the industry is prepared & presented to the IC
- Committee members vote

Term sheet is signed

Funds are Released

Definitive Documents signing

- Share Holders Agreement (SHA)
- Share Subscription Agreement (SSA)

Due Diligence

Financial | Legal | Tax | Technical



WHY US ?



IRR

- Highest return asset class
- Average IRR of top Sustainability initiatives: 32%



IMPACT

- Global impact on ESG
- Creating overall economic growth



ECOSYSTEM

- Opportunity to co-invest
- Opportunity to contribute to global sustainability
- Connections + Synergies



OUR FOCUS AREA ON SUSTAINABILITY



ENERGY:

Low carbon generation, energy efficiency, storage, smart grids, sustainable energy access



TRANSPORTATION:

Energy efficient components, fuels and logistics



WATER:

Capture, treatment, conservation, wastewater treatment, access



AIR & ENVIRONMENT:

Carbon credits, trading and offsets

- Clean Energy (Green Hydrogen, Renewable Energy, EV program)
- Desalination projects (Concentric Solar panel, and atmospheric filter)
- Agro-Forestry (High value trees)
- Controlled Environmental Agriculture
- CCUS (Carbon Capture Utility & Storage) through biological methods
- Eco-low cost Building using Geo Polymer and modular construction
- Sustainable Eco Village and sustainability cities



WE TARGET TO ACHIEVE FOLLOWING KPI'S THROUGH THE FUND FOR NEXT 10 YEARS

Global Energy Demand	70%	Clean Water	80%
Global Food Demand	60%	Carbon Sequestration	50%
New Employment	75%	Eco Building	80%



BUILDINGS:

Low carbon strategy, energy efficiency, sustainable materials.



MANUFACTURING:

Green chemicals, RE/EE supply chain, cleaner production.



AGRICULTURE & FORESTRY:

Land Management, low carbon and adaptation strategies, biomass.



RECYCLING & WASTE:

Recycling and waste treatment services



PORTFOLIO OF SICA

www.sicafund.org





CURRENT PROJECTS UNDER MANAGEMENT

Sector	Project Name	Location	Promoter	Total Project Capital	No of Virtual Shares @\$100 per share	Project Payback (Years)	Project IRR	ROI at Exit consideration (End of tenure)	Carbon Sequestraion (Tenure) in MT	Employment (No.)
PORTFOLIO OF SICA				\$500,000,000					76,560,680	13,200
Energy- Agriculture	Urban Nano- farm	UAE; India	AgriVoltaics	\$8,500,000	85,000	5	43%	30%	10,080	1,000
Agriculture	Design 1- Saatvic Eco Village	Nepal/ Srilanka/ UAE/ Oman	AgriVoltaics	\$20,000,000	200,000	6	46%	35%	250,000	300
Energy- Agriculture	Carbon Sequestration- MicroAlgae to Nutraciticle	Nepal/ Srilanka/ UAE	Seagrass Australasia	\$45,000,000	450,000	5	63%	100%	1,250,000	50
Green Energy	Helio Stat Energy and Desalination Project	India, UAE, Oman and Coastal Africa	ARS GlassTech Pvt Ltd	\$180,000,000	1,800,000	8	45%	38%	8,000,000	4,000
Waste Management	Aluminium Recycling Project	KEZAD, UAE	Kings Alumium FZCO	\$75,000,000	750,000	15	53%	48%	15,000,000	4,000
Agriculture	Multi Cropping - Agro Forestry	Nepal/ Srilanka/ UAE	MyEcoAlgae	\$5,000,000	50,000	10	63%	50%	27,600	500
Infrastructure	EV Initiative for urban waste handling	India, UAE, Oman and Africa	VSL Industries	\$60,000,000	600,000	15	45%	38%	30,000,000	1,000
Infrastructure	3DCP Robot Manufacturing and Geo polymer process facility	India, UAE, Oman and Africa	Camhirst 3DCP	\$5,000,000	50,000	10	54%	45%	2,000,000	100
Agriculture	Sustainable Residue free crop solution	Nepal/ Srilanka/ Ghana	Enhanced BioFuel Technology Ltd, India	\$1,500,000	15,000	5	46%	26%	23,000	2,000
Waste Management	Plastic Recycling Facility	KEZAD, UAE	Just Right FZCO	\$100,000,000	1,000,000	10	46%	35%	20,000,000	250



URBAN NANO FARM

Name of the Project	Name of the Company	Location
Urban Nano Farm – Phase 1a	AgriVoltaics	UAE; India



Urban Nano Farm is a modular Climate controlled modular structure which houses roof solar panel, hydroponic towers, micro Algae photo bio-reactor nano farm;

- a. The urban nano farm serves as a sustainable farm to table reducing the logistics; Completely residue free and higher nutritious value of the produce (Tomato, Micro green, Potato, Onion, Bell pepper, Chillis and most of daily fresh);
- b. Algae farm works as carbon sequestration solution acting as Bio-filters in urban areas whilst producing raw material that can replace gasoline and diesel.
- c. Roof top solar panel serves as energy producer while being a roof of the farm. Atmospheric water harvesting helps in harvesting 50L of water from atmosphere daily.





PROJECT FINANCIAL HIGHLIGHT

Capita Per Unit	\$8,500	Global Demand
No. of Units	1,000	1,000,000,000
Total Project Capital	\$8,500,000	 <p>A photograph of a modern skyscraper with extensive green walls and balconies, representing a vertical farm. The building is set against a blue sky with light clouds. In the bottom right corner of the image, there is a logo for 'AGRI VOLTAICS' which consists of a stylized green leaf and a lightning bolt.</p>
No of Virtual Shares @\$100 per share	85,000	
Project Payback (Years)	5	
Project IRR	43%	
ROI at Exit consideration (End of tenure)	30%	
Carbon Sequestraion (Tenure) in MT	10,080	
Employment (No.)	1,000	



DESIGN 1- SAATVIC ECO VILLAGE

Name of the Project	Name of the Company	Location
Saatvic Eco Village- Phase A	AgriVoltaics	Nepal/ Srilanka / UAE/ Oman



Saatvic Eco Village (SEV) is an epitome self sustaining carbon negative rural center of excellence for food security, energy security and providing employment. This contains, residue free high tech farming, micro Algae hitech PBR, Animal husbandry (sustainable practices), waste to energy, desalination (as applicable), Agro forestry, eco-resorts or eco buildings, primary health care support, food processing center.

- i.) Empowering rural place for decongesting cities
- ii.) Overall national/international sustainable development
- a. **Food Security:** High grade high yield farming with a complete supply chain management
- b. **Energy Security:** Through Solar Power, CSP and Micro Algae to Bio-crude
- c. **Water Security:** CSP-Desalination or Atmospheric water harvesting methods, Rain water harvest
- d. **Low Cost housing:** Support the farm staff by providing Eco building made from Geo-polymer
- e. **Primary healthcare and Education:** Providing the basis health care facilities for the families and surrounding community
- f. **Employment:** This initiative will spur employments





PROJECT FINANCIAL HIGHLIGHT

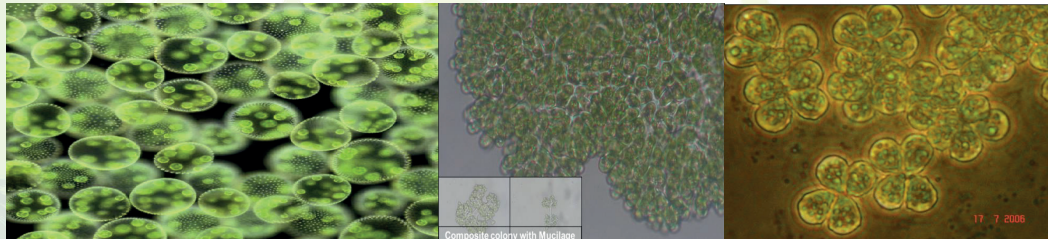
Capita Per Unit	\$20,000,000	Global Demand
No. of Units	1	1,500,000
Total Project Capital	\$20,000,000	The right side of the table features a large image. At the top, there is a green header with the text 'Global Demand'. Below this, the number '1,500,000' is displayed. The main part of the image is a photograph of a lush green landscape with a traditional-style building. Overlaid on the image is the 'AGRI VOLTAICS' logo, which consists of a green leaf and a blue lightning bolt symbol.
No of Virtual Shares @\$100 per share	200,000	
Project Payback (Years)	6	
Project IRR	46%	
ROI at Exit consideration (End of tenure)	35%	
Carbon Sequestraion (Tenure) in MT	250,000	
Employment (No.)	300	

Name of the Project	Name of the Company	Location
Carbon Sequestration through High tech PBR of Micro Algae	Seagrass Australasia	UAE

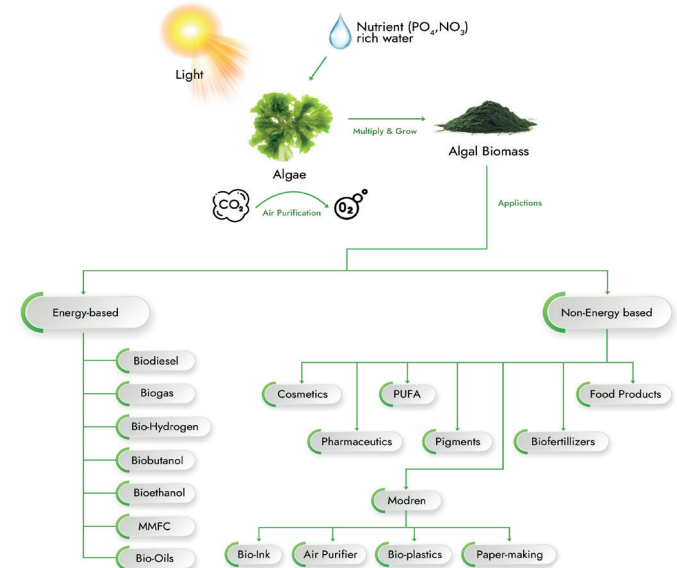


"Our Process and product patent on micro Algae farming using high tech photo bio reactor is a ground breaking sunrise area in producing raw materials that we use on a day to day basis such as

- Fuel (Biocrude, Ethanol, Methanol, and clean hydrogen) and other associated chemicals from the chain
- Nutraceutical (Vegan Omega3 and Protein supplements)
- Animal fodder
- Bio Manure
- The process also involves softening Sea water to a better TDS grade.
- This material has the highest Biological Carbon sequestration per M2 compared to any organic flora varieties"



Our Company at a glance





PROJECT FINANCIAL HIGHLIGHT

Capita Per Unit	\$150,000	Global Demand
No. of Units	300	45,000,000
Total Project Capital	\$45,000,000	 
No of Virtual Shares @\$100 per share	450,000	
Project Payback (Years)	5	
Project IRR	63%	
ROI at Exit consideration (End of tenure)	100%	
Carbon Sequestraion (Tenure) in MT	1,250,000	
Employment (No.)	50	

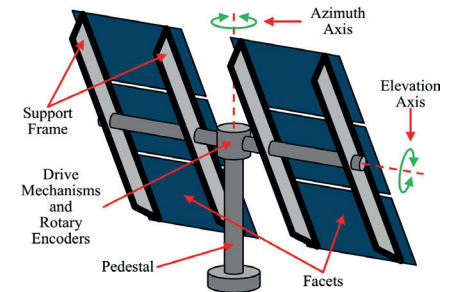
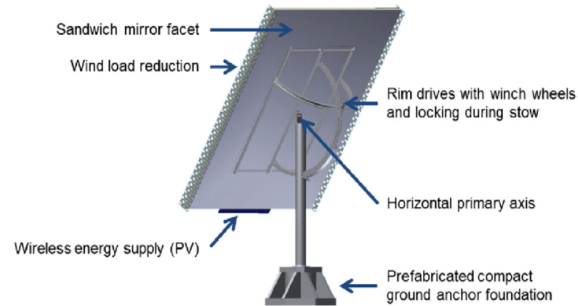


HELIO STAT ENERGY AND DESALINATION PROJECT

Name of the Project	Name of the Company	Location
Agri69	ARS Glass Tech Pvt Ltd	India, UAE, Oman and Coastal Africa

AGNI69
POWERED BY
ARS GLASS TECH PVT LTD

Agni69 is completely an IOT driven innovative process of converting solar heat to convert water in steam using reflecting glass and concentrating the heat on a receiver using fresnal principal. The uniqueness involving sun tracker mechanism to improve the efficiency of the system. The steam generated are being used for cooking applications, power production and the residual steam is natural condensed to make it drinking water.





PROJECT FINANCIAL HIGHLIGHT

Capita Per Unit	\$45,000	Global Demand
No. of Units	4,000	20,000,000
Total Project Capital	\$180,000,000	 <p>ARS GLASS TECH PVT LTD</p>
No of Virtual Shares @\$100 per share	1,800,000	
Project Payback (Years)	8	
Project IRR	45%	
ROI at Exit consideration (End of tenure)	38%	
Carbon Sequestraion (Tenure) in MT	8,000,000	
Employment (No.)	4,000	



MULTI CROPPING - AGRO FORESTRY

Name of the Project	Name of the Company	Location
Integrated Multi Cropping Agro Forestry (IMCA)	MyEcoAlgae	Nepal/ Srilanka/ UAE



IMCA is sustainable agro-forestry essential plantation cultivation program. This initiative cultivates multi layered plantations such as Coconut + Black pepper, Agar Tree, bamboo & Elephant Grass, Paulownia, Neem, Mango and other orchid trees.





PROJECT FINANCIAL HIGHLIGHT

Capita Per Unit	\$5,000	Global Demand
No. of Units	1,000	15,000,000
Total Project Capital	\$5,000,000	
No of Virtual Shares @\$100 per share	50,000	
Project Payback (Years)	10	
Project IRR	63%	
ROI at Exit consideration (End of tenure)	50%	
Carbon Sequestraion (Tenure) in MT	27,600	
Employment (No.)	500	



EV INITIATIVE FOR URBAN WASTE HANDLING

Name of the Project	Name of the Company	Location
EV Carriers	VSL Industries	India, UAE, Oman and Africa



Production and Assembly plant of EV Good carriers. The carrier includes farm vehicles, garbage handling carts, passenger carts, solar powered tuk tuk, bicycles with the payload capacity upto 5 MT. The factory shall produce EV motors, Modularized battery packs, Proton Exchange membrane fuel cells and associated electronics, mobile application for energy management etc.

dot.
GARBIGO

For Door to Door residential garbage disposal



dot.
MINI

Rural area garbage disposal



dot.
AGRI

To encourage agricultural sectors as well as in multiple sectors





PROJECT FINANCIAL HIGHLIGHT

Capita Per Unit	\$20,000,000	Global Demand
No. of Units	3	1,000
Total Project Capital	\$60,000,000	
No of Virtual Shares @\$100 per share	600,000	
Project Payback (Years)	15	
Project IRR	45%	
ROI at Exit consideration (End of tenure)	38%	
Carbon Sequestraion (Tenure) in MT	30,000,000	
Employment (No.)	1,000	





3DCP ROBOT MANUFACTURING AND GEO POLYMER PROCESS FACILITY

Name of the Project	Name of the Company	Location
3DCP Robot Manufacturing and Geo polymer process facility	Camhirst 3DCP	India, UAE, Oman and Africa



This 3D Printing of building do not use steel, iron or Portland Cement during construction which produces 75 to 85 % less CO₂ . Because we do not use steel supported walls or other forms, upon completion of the project we have as little as 0% waste.





PROJECT FINANCIAL HIGHLIGHT

Capita Per Unit	\$5,000,000	Global Demand
No. of Units	1	10,000
Total Project Capital	\$5,000,000	 CAMHIRST 3DCP
No of Virtual Shares @\$100 per share	50,000	
Project Payback (Years)	10	
Project IRR	54%	
ROI at Exit consideration (End of tenure)	45%	
Carbon Sequestraion (Tenure) in MT	2,000,000	
Employment (No.)	100	



SUSTAINABLE RESIDUE FREE CROP SOLUTION

Name of the Project	Name of the Company	Location
Farm Vise	Enhanced BioFuel Technology Ltd, India	Nepal/ Srilanka/ Ghana



This is a gamified version of contract farming of staple crops. This includes mechanised residue free cultivation of Pulses, cereals, Millets and etc. These processes are captured in blockchain to provide KYF (Know Your Food).





PROJECT FINANCIAL HIGHLIGHT

Capita Per Unit	\$1,500	Global Demand
No. of Units	1,000	25,000,000
Total Project Capital	\$1,500,000	A photograph of a man in a plaid shirt looking at a tablet in a field of green plants. In the top right corner of the image is the logo for ebtu (Energy Business Technology Unit), which includes a circular emblem with a sun and the text 'Technology Offsetting Climate Change' and 'ebu' in a blue box.
No of Virtual Shares @\$100 per share	15,000	
Project Payback (Years)	5	
Project IRR	46%	
ROI at Exit consideration (End of tenure)	26%	
Carbon Sequestraion (Tenure) in MT	23,000	
Employment (No.)	2,000	



PLASTIC RECYCLING FACILITY

Name of the Project	Name of the Company	Location
Renov8	Just Right FZCO	KEZAD, UAE



The state of the art facility shall recycle the plastic waste and reduce carbon footprint. Entire waste management supply chain from collection, sorting, processing to distribution shall be handled at this facility for most of the plastic chemicals.





PROJECT FINANCIAL HIGHLIGHT

Capita Per Unit	\$100,000,000	Global Demand
No. of Units	1	1,500
Total Project Capital	\$100,000,000	<p>RENO8 justright</p>
No of Virtual Shares @\$100 per share	1,000,000	
Project Payback (Years)	10	
Project IRR	46%	
ROI at Exit consideration (End of tenure)	35%	
Carbon Sequestraion (Tenure) in MT	20,000,000	
Employment (No.)	250	

Get in Touch!

GLOBAL CHALLENGE NEEDS A COLLECTIVE ACTION &
TOGETHER WE MAKE A **GREENER** PLANET



API Towers, Sheik Zayed Road,
Dubai, UAE



[sica-sustainable-initiative-on-climate-augmentation](https://www.linkedin.com/company/sica-sustainable-initiative-on-climate-augmentation)



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