



CUTTING EDGE TECHNO SOLUTIONS

Delivering a Global Carbon Emissions Reduction Program on a Blockchain Circular Economy Platform

SUSTAINABLE ECO-VILLAGE DEVELOPMENT PROJECT

Master Plan Design | Infrastructure Development | Operation Management

Registered Participant in the United Nations Global Compact Initiative

Providing the tools for transforming communities through Assessment, Strategic Planning, Partnerships, Adaptive Technologies, and Investments. Our vision is to organize and deliver sustainable Environmental, Social and Governance (ESG) Investments into Danger Zone communities, generating higher resource efficiency, stimulate economic growth, reduce endemic poverty and improve health— resulting into linked CETS Eco-Village Production and Trade Hubs.

The sustainable CETS Smart Eco-Village Development projects will consist of a projected 8,149,352 square feet of mixed-use space on a decentralized Net-Zero Waste to Energy Micro-Grid Utility Ecosystem Infrastructure at a budget of \$1,500,000,000 for the following deliverable:

- 100 – 1 Megawatt per hour Waste into combine Heat, Power, Water Utilities Stations
- Pre-K thru12 Education Academies and Job Training Centers
- Community Grocery Store Operations within Food Deserts
- Commercial Restaurants, Eateries, Office, and Retail Space
- Robotic Garage Parking and Bio-Fuel (gas) / Renewable Electric Power Stations
- Residential Transitional (townhomes, condos, senior) Housing Units
- Public Community Park, Plaza and Garden Space
- Fine Art Galleries and Cultural Art Centers
- Research and Development Laboratories
- Resort Hotel / Spa / Conference Centers
- Spirituality and Essential Life Skills Center
- Entertainment and Night Club Venues
- Industrial and Showroom Space
- Sports and Recreation Centers
- Hospital, Health and Wellness Center with Telemedicine Infrastructure
- Public Transportation Center

CETS economic goal is to **create 18,520 estimate jobs** in the Sustainable Net-Zero Design-Build, Bio-Tech, Clean-Tech, Agroindustry Production and Trade Infrastructure Development Sectors.



Waste

Energy

Water

Food

Fuel

Raw Material



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CETS Business Operations / Future-Ready Workforce

CETS's Sustainable Business Model will be funded using a series of Green Bond/Climate Funds comprised by a combination of stocks, bonds, commodities, and futures focused on Renewable products and processes across Industry Sectors such as: Waste, Organic Food, Water, Energy, Biofuel, Construction, Building Materials, Furnishings, Hospitality, Fashion, Education, Telcom and Transportation. The hinge pins that would drive the circular economy engines above are:

- Cultivation areas for Terrestrial or Aquatic Biomass
- Preprocessing/Sorting Centers for non-food lignocellulosic feedstock material
- Green Industrial Developments
- Green Urban Developments
- Green AFGRI - and Aquaculture/SolaRoof Pod Developments
- Green Mining and Drilling Development
- Waste mitigation technologies, e.g. Waste-to-Power, Waste-to-Fertilizer
- Co-Hybrid Power Development
- Transportation Services
- Processing Centers
- Portable and Fixed Refineries
- Manufacturing Facilities, e.g. Concrete, SIP Panels, Furniture, Fashion, et al
- Distribution for Resultant Products
- Education for various job descriptions

CETS's future-ready workforce and entrepreneurship training and certification program will recruit and position 7,200 participants per year into one of our Business Model green job opportunities. We will **create 72,000 estimated new permanent jobs** with benefits and stock options over ten years across a regional (90-mile radius) marketplace.





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“WITH A HOLISTIC “TOP-DOWN, BOTTOM-UP APPROACH TO SUSTAINABILITY”

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PUTTING THE PUZZLE TOGETHER

Providing the tools for transforming communities through Assessment, Strategic Planning, Partnerships, Adaptive Technologies, and Investments. Our vision is to organize and build communities to generate higher resource efficiency, stimulate economic growth, reduce endemic poverty and improve health— resulting in linked sustainable communities for all.

FOOD AND AGRICULTURE DRIVE ONE-FIFTH OF NATION'S ECONOMY

CETS INVESTMENT OFFERING IN ITS NET-ZERO COMMODITIES PRODUCTION/TRADE ECO-VILLAGES



MIXED-USE *Income-Producing ‘Carbon Neutral - Zero Waste’ Real Estate* **PROJECTS**
Production | Farming | Laboratories | Showrooms | Offices | Residential | Healthcare | Hospitality | Entertainment

HELPING PARTICIPANTS TRANSITION FROM A LINEAR TO A CIRCULAR ECONOMY

FUTURE-READY WORKFORCE | ENTREPRENEURSHIP | JOINT VENTURE OPERATIONS

Phase-1 Project Investment of \$300 Million | Potential Completed Valuation of \$2.5+ Billion

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CUTTING EDGE TECHNO SOLUTIONS

Delivering a Global Carbon Emissions Reduction Program on a Blockchain Circular Economy Platform

PLAN OF ACTION

“Tapping into an Annual \$2.4 Trillion-and-Growing Sustainable Circular Economy Production and Trade Infrastructure Development Sectors”

Our World Economy Is Only 9.1% Circular, Leaving A Massive Circularity Gap.

The CCRU consortium is offering the following information as a blueprint (infrastructure, framework and model) for an exciting newly developed holistic program designed to create a **‘Sustainable Blockchain Circular Economy for All’**. Our mission as developers is to design/build/operate smart off-the-grid mixed-use offerings, including laboratories, farming, production, classrooms, healthcare, showrooms, commercial, office, residential, entertainment, hospitality through non-grid **Biotech/Agroindustry Eco-Village Production and Trade Hubs**: The **goal** is to create **7,200 new jobs per year** with an estimated above average annual salaries, reaching **72,000 new jobs over 10 years per regional hub**. **This will be accomplished:**

- By establishing a 25-year partnership service contract as ‘Preferred Developer’ with Landowners as Project Sponsors (government, private) for land control to design/build/manage the implementation of a regional **Sustainable Biotech/Agroindustry Eco-Village, on a Decentralized Net-Zero Waste to Energy Micro-Grid Utility Ecosystem Infrastructure** development project for the Carbon Emissions Reduction Program participation;
- By establishing a **Regional Master Plan** with an comprehensive planning and community asset mapping process to include local individuals, professionals, agencies for any ESG issues;
- By establishing regional **Carbon Emissions Reduction Program** projects for ESG Investment;
- By establishing a new concept **CETS ‘AELITA™’/Solarroof POD technologies** for regional **Organic Food Research, Production, Distribution and Trade** operations;
- By establishing **CWI Grocery Store Operations within Food Deserts across the region**;
- By establishing **‘CETS Playforce’ Workforce Development Academy** for future-ready training, certification and job placement opportunities;
- By establishing **Cultural Creatives Entrepreneurship Academy** for Co-op SME operations;
- By establishing regional **Advanced Analytics Manufacturing on Demand** operations;
- By encouraging regional businesses and residents to participate in the regional transition from a **Linear to a Circular Economy**.

We are quite confident that our unique circular socio-economic approach will help create sustainable infrastructure, human and economic development projects; providing solutions that address pressing economic, health and ecological issues that we as a global society are currently facing across underserved and emerging markets.

Our goal is to strategically establish 500 hubs across the global landscape by 2030



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GLOBAL CARBON EMISSION REDUCTION PROGRAM

It is a challenge and opportunity for humankind unlike any faced to date. We are one. As the world becomes smaller we must address not only the challenges for survival of our species but undoubtedly the growth in population that precipitates a myriad of concerns socioeconomically on a global level. It is not enough to simply build new intelligent cities but to use our intelligence to build cities which will survive the changes in our world tomorrow. The application of new technologies is only part of addressing the challenge, the harmonic application of local materials in a sustainable and affordable way is the balance which will result in affordable success. Addressing dwindling resources and opportunities within the micro-community and the happiness and well-being of global citizens is one goal set forth by the CCRU consortium. Our differences in race, religion, philosophy and the way we live are not differences but barriers retarding man's destiny and future progress including a united effort to address Global Climate Change and the resulting transformation of the world to allow everyone to thrive.

CETS PLAYFORCE™

Rethinking Economies | Reimagining Work | Uplifting Lives | Transforming Communities

PlayForce is a paradigm-shifting future-ready workforce, personal development, entrepreneurial management training system, created by Cutting Edge Techno Solutions (CETS) visionary Co-Founders Vincent White and Gerald DeCosta, designed as a distributed learning and collaborative intelligence networking platform to prepare the emerging workforce by developing participating members' mindset, knowledge-base and the skillsets necessary to participate and prosper in the transition from a linear to a regenerative circular economy within the CETS—(Circular Economy Transformational Systems) network. PlayForce is "The New Force in Workforce."

We have partnered with social innovator Frank Wennin and his Centers of Influence Networks (COIN) using a step by step program for whole systems learning environments. He has developed a comprehensive strategy to unify the "Agents of Change" and create a conscious producer profile that will set the pace for the marketplace. Together we are integrating and leveraging our synergistic educational models toward empowering people, transforming lives and reimagining what is possible for economies and markets that we are creating and serving. The PlayForce empowers its members to become opportunity architects and wealth engineers.

CETS has envisioned and designed a Blockchain Circular Economy Production and Trade Platform that is subscription-based—offering potential revenue streams and wealth generation for its members. CETS Platform serves as the back office to its Global Carbon Emissions Reduction Program in support of communities implementing Sustainable Economic Development Goals.

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We are positioning PlayForce members to tap into the many carbon neutral, zero waste infrastructure development projects (\$2.4 Trillion annual market), holistic future-ready independent workforce (\$1.3 Trillion annual market), carbon neutral and zero waste startup business model developments (305 Million startups annual market), and other regional green business and financial technology (FinTech) industry initiatives.

We are building and transforming communities into sustainable smart Eco-Village production and trade hubs, using the Biotech/Agroindustry sectors to address waste, energy, water, food, fuels, and property environmental issues. Together, we empower ourselves creating more fulfilling lives in a more equitable world brimming with peace, compassion, abundance and prosperity.

FOOD AND AGRICULTURE DRIVE ONE-FIFTH OF NATION'S ECONOMY - 20.4% of the nation's economy is linked, either directly or indirectly, to the food and agriculture sectors, according to a recent study commissioned by the Corn Refiners Association. The study also found that more than one-fourth of all American jobs - 28% - are similarly connected. Twenty-two food and agriculture organizations commissioned this research, and among the findings:

- Total Jobs: 43,311,057
- Total Wages: \$1.9 trillion
- Total Taxes: \$894.13 billion
- Exports: \$146.32 billion
- Total Food and Industry Economic Impact: \$6.7 trillion

The CCRU consortium mission is to Address Food Deserts: Food deserts are areas that lack access to affordable fruits, vegetables, whole grains, dairy products, and other foods that make up the full range of a healthy diet.

It has been said that the way to a man's heart is through his stomach. The way to the heart of a community is to create a food oasis where once only a food desert prevailed. Our mission is to establish organic food oases throughout the world linked to our circular economy paradigm powered by clean technology solutions to address pervasive food shortages, food deserts, starvation, and nutrition-deficient populations across countries and around the globe.

The CCRU consortium Eco-Village complex will comprise the following operations: organic commodities research, production, distribution and trade activities. Our mission is to deliver a carbon-neutral, zero-waste agricultural ecosystem infrastructure, which combines mature ecological farming practices. Thus, creating an integrated balance of job creation, poverty relief, food security, energy security, water conservation, climate change relief, land security, improved health states, and stewardship. Also, our program delivers interlocking SURGE™ revenue generators through agroindustry research laboratories, food production, packaging and distribution, grocery store, entrepreneurship incubator, and staff housing operations. Building a resilient regional circular economic engine, and creating eco-friendly business and employment opportunities across the agroindustry and hospitality sectors ensures the successful implementation and delivery mechanism for realizing our vision and mission.

Total U.S. organic product sales in 2017 reached nearly \$50 billion. Organic consumption has averaged double-digit growth over the last five years. (*Source: Organic Trade Association. 2017 Organic Industry Survey*). Our objective is to capture 10% of that projected \$50 Billion spent by Americans on organic food annually.

THE CCRU CONSORTIUM OVERVIEW

CETS Technologies (CETS), (80% shareholder) is a privately-held corporation as a multinational holding company with a scientific research and design component. The primary objective of this multinational organization is to provide financial returns balanced with social benefit to our investors, shareholders, and affiliates. We offer advanced technologies evolved from our aggressive global scientific research team concepts. The accumulation of hard and liquid resources along with innovative financing ensures consistent research, development, and implementation of these present and future adaptive technologies. **CETS** is linked to certified consultants from a broad range of academic and professional backgrounds. These consultants specialize in the areas of sustainable urban planning, architecture, landscape architecture, interior design, industrial design, engineering, smart technology, graphic design, and project management. Our team of consultants bring several decades of solid experience in every aspect required to **Research, Design, Engineer, Build, Finance, Manage** and **Grow** sustainable carbon-neutral, zero-waste **Communities**.

CETS Technologies' new concept **'AELITA™'** and **Solarroof Technology** intergrated into a Vertical Agroindustry Complex which has the potential to be the most highly productive in the world. The **AELITA™/Solarroof** vertical greenhouse agroindustry facility comes standard with autonomous renewable waste-to-power supply.

The capacity of two acres/87,120sf of our AELITA™/Soalarroof vertical greenhouse farm production replaces:

- up to 988 acres of potato fields,
- up to 775 acres of tomato greenhouses,
- up to 988 acres of sweet peppers greenhouses,
- up to 3,953 acres of grain crops.

The commodities grown under our AELITA™/Solarroof brand are potentially the most delicious, healthy and nutritious in the world. They will excel in all respects compared to inground products and products from greenhouse hydroponics.

The production of 24 kinds of vegetables, 12 types of grain crops, and unique supernormal feed mixtures for all types of domestic animals has been mastered by our team of experts. Harvest is removed every day of the year. The production of fish and caviar, meat and dairy cattle breeding, production of dairy and meat products has been mastered as well.

Two acres/87,120sf of cotton from AELITA™/Solarroof replaces 617-741 acres of cotton fields with daily harvesting throughout the year. 6-8 vegetations per year, the quality is an order of magnitude higher than with standard agricultural technology. AELITA™/Solarroof organic feedstock provides daily animal feed in sufficient quantities throughout the year.

Comm (Commodities) Worldwide International Inc. (CWI) (10% shareholder) a privately-held Maryland corporation as a commodities marketing, distribution and trade strategic partner. The core leadership worked together extensively in retail and entertainment, and CWI was established as a commodity and service based company whose headquarters is based in Maryland yet centrally located just outside of Washington, D.C. Because of its expertise in various industries, CWI is a diverse company with various services. In many ways, it serves as a

one-stop-shop. CWI is recognized through its permits from the United States Federal government to serve as a licensed import/export company, with a capability to market and brand beverage products throughout various parts of the world. CWI also has the capability to serve as a distributor and wholesaler of various products. Their primary focus is in the areas of unique and untapped alcohol and water beverages, food sales, distribution channels, marketing, multimedia production, promotions/events, brand building, and support.

CWI has created a new brand of gourmet grocer called "Market Fresh Gourmet, LLC." Its management team comprises professionals having a combined 60 years of experience in retail ownership, business development and acquisition, sales management, marketing, promotions, retail operations and grocery business. CWI has entered an agreement with the energy company CETS. Thus, CWI has added a waste-to-energy and reusable energy infrastructure component to its portfolio of grocer, hospitality, and entertainment venue operations. With the next generation millennials and baby-boomers looking to downsize, the demand for the experience to live, work, entertain, shop and dine within the comfort of one's own neighborhood has become a top priority for desired living. CWI has long since tapped into this trending movement. Over the past four years, CWI's leadership committed the company to learning this emerging market from the bottom-up. CWI has completed important fieldwork by strategically placing key members of its leadership within all areas of the grocer and beverage businesses including logistics, general management, product study and placement, distributions, branding, tasting, celebrity endorsements and events. CWI has secured its aforementioned U.S. Federal Government alcohol permits allowing the company to import, export, wholesale and distribute product worldwide! CWI also solidified agreements and cultivated relationships with beverage product producers across the United States and abroad. CWI's hard work and dedication has paid off as it will serve as the *anchor Gourmet Grocer* of a new community development project and hopes to expand their uniquely proven and inclusive concept as a chain.

RS4A Better World International, LLC (RS4ABWI), (5% shareholder) is a privately-held Delaware corporation offering its services as scientists, LEAN Six Sigma Experts, and Project Management, with its principals being physically located in West Africa. The primary purpose of this organization is to improve the living standards of the bottom 40% of the world's population by improving housing, sanitation, education, and health facilities. The "RS" in the company name stands for "Rocket Science", with the President/CEO of the corporation being a former Chief Missile Engineer and LEAN Six Sigma Champion for the U.S. Navy. The Vice President, has a Master's in Architecture, has worked large projects with some of the world's best architectural and engineering firms including Dickinson-Heffer, Johnson Controls, and RTKL Associates. Together they spent four years in San Felipe, Baja California, Mexico, assisting the Developer in the development of humanitarian projects at El Dorado Ranch and La Ventana del Mar, including funding schools, a hospital with ambulances, a fire department, and working to increase the wages of employees in the region. From there, RS4ABWI was born, with their mantra being, "*Making the world better isn't exactly rocket science.*" Combining years of experience in engineering, building design, engineering and construction with LEAN Six Sigma expertise, RS4ABWI has consistently delivered built products at lower costs and quicker times.

The Principals of RS4ABWI have over fifty years experience in managing large international development and engineering projects for private industry, public works and the government sector. They have spent the past three years understanding the development of projects and investing in Ghana, West Africa, and hold properties in California, Maryland, Mexico, and Ghana. Their projects range from very small scale investment in local startups to developing a large township to bring water, power, medical facilities and education to the underserved Northern region of Ghana. They bring in leaders from industry as well as academia specializing in biotechnology, education, and facilities / infrastructure design and development.

Urban Broadcasting Company (UBC-TV Network), (5% shareholder) is a New York and Las Vegas based streaming and broadcast company that creates, produces and broadcasts 'original urban lifestyle' programming that is available globally. UBC-TV Network is a producing network that has 'UBC Originals' consisting of news, entertainment, business, fashion, health and fitness, live concerts, sports including UBC Sports and other original lifestyle programs. Content is distributed over multiple platforms such as OTT, satellite, VOD, set-top-boxes, cable, mobile, livestream, On Demand, wireless devices, social media, radio and other platforms. UBC-TV's goal is to provide relevant, diverse, exciting and uplifting programming geared towards the underserved urban multi-cultural market.

Target Market UBC-TV is prepared to reach this market, targeting men and women ages 14 to 55 years old by shedding light on cultural stories from a new perspective. UBC-TV's type of programming provides a gateway to the fastest growing market segment in the US—multicultural consumers, entrepreneurs and the X Generation; a market segment that is known to watch 70% more television and view content on devices more than all other households and consumers. With a buying power of over \$2 trillion dollars plus, this hyper growth community of over 70+ million people is the ideal gateway for brands to deliver their targeted message.

Distribution UBC-TV has secured deals with Amazon Prime, Roku and OATH—a Verizon company comprised of Yahoo, AOL and multiple other media companies that total over a billion consumers internationally. UBC-TV's multi-platform approach to distribution includes streaming, live streaming, OTT, VOD, special branded events, radio and mobile with social media tie-ins that gives UBC-TV viewers, UBC Club members and subscribers the opportunity to watch and engage with UBCTV programming whenever they choose and how they choose.

UBC-TV's current international audience comprises over 40 countries that include: Canada, Russia, Columbia, Brazil, Argentina, France, UK, Spain, Morocco, South Africa, Nigeria, Kenya, Tanzania, Saudi Arabia, Iran, Turkey, Cyprus, Italy, Germany, Sweden, China, Uganda, Vietnam, Thailand, Netherlands, Malaysia and more. UBC-TV is truly a global network with content to reflect the Cultural Revolution!

A Donor Advised Fund in support of the United Nations SDGs, Philanthropic Giving + Quantum Impact Investing.

The SDG Impact Fund develops sustainable financial resources to fulfill its mission, and to ensure the continuity of charitable organizations supported by our donors and their families.

PROJECT EXECUTIVE SUMMARY

What is the Eco-Village?

This Eco-Village is a smart decentralized net-zero waste utilities infrastructure development project; a hub for the Global Carbon Emissions Reduction, Circular Economy Production and Trade program offering a viable solution for communities built on the sound principles of living within the construct of their environment. The goal of establishing and building the Eco-Village is to showcase how to eliminate all carbon waste, produce energy entirely through renewable resources and to work within the natural constraints of the environment, be it urban or rural. By building a sustainable turnkey regional economic engine and creating eco-friendly business and employment opportunities across industry sectors, we demonstrate the vision behind our mission.

Our pre-development starts with comprehensive planning and community asset-based mapping including local individuals, professionals and agencies. This pre-development process comprises: community asset mapping, design of the master plan, budget outline for infrastructure development permitting (e.g. water, sewer, renewable energy, waste management, wireless broadband telecom network, and roadways), secure stakeholders, builders, investors, and local, state and federal government support for housing and economic development programs. This effort results in a comprehensive, coordinated look at ecological issues, e.g., environmental, cultural, social, educational, and recreational issues, goals and objectives. This approach will result in the most appropriate sustainable development model.

What is the Clean Technology Sector?

Clean technology refers to any process, product, or service that reduces negative environmental impacts through significant energy efficiency improvements, the sustainable use of resources, or environmental protection activities. Clean technology includes a broad range of technology related to recycling, renewable energy (wind power, solar power, biomass, hydropower, biofuels, energy storage, etc.), information technology, green transportation, efficient electric motors, green chemistry, lighting, greywater, and more.

Many factors are behind the emergence of clean technology as an investment category that has attracted mainstream venture capital firms along with clean technology funds. In the past decade, demand for clean technologies has grown at a significant rate and has driven the growth of billion-dollar markets. Such markets continue to rise at a substantial rate. The clean technology market has been driven by a merger of technological advancements, resource constraints, and economic trends that positions clean technologies for sustained growth.

Our expressed intent dovetails with that stated by the US Department of Energy's Biomass Program which reads, "Creating a viable, sustainable biomass industry that promotes the following: produces renewable synthetic-fuels, byproducts and renewable power, enhances U.S. energy security, reduces our dependence on oil, provides environmental benefits, including reduced greenhouse gas emissions, and creates economic opportunities across the nation."

Our goal is to capture 5% of the projected USD \$4.5 Trillion generated by this industry and create 5% of the 40 million jobs by 2030, estimated by the U.S. American Solar Energy Society.

“The demand for high-quality assets that can be used as collateral will increase due to several key regulatory reforms. This comes on top of greater demand for collateral assets through increased reliance by banks on collateralized funding, particularly in Europe. While this can lead to temporary shortages in some countries, concerns about an absolute shortage of high-quality collateral assets appear unjustified, given that the supply of collateral assets has risen significantly since end-2007. In addition, endogenous private sector responses, such as collateral transformation activities, will help to address supply-demand imbalances when they emerge.” - 'Asset Encumbrance, Financial Reform and the Demand for Collateral Assets' – Bank for International Settlements CGFS Publications No. 49 May 2013.

Our intent is to use Green/Climate Bonds as securities that enable capital-raising and investment for new, existing and transitioning projects that are sustainable with environmental benefits. Our Impact/Values-based investing approach brings the human development element and work ethic as part of the asset base to this equation. Integral to this “Triple Bottom Line” (Planet, People, and Profit) approach is the necessity for funding to develop this resource.

All of our projects will qualify for 'Green Bond' financing under standards established by the European Investment Bank and the Green Bond Principles document. There are currently four types of Green Bonds blessed under this document, i.e., Green Use of Proceeds Bond, Green Use of Proceeds Revenue Bond, Green Project, and Green Securitized Bond. Our Instruments will be asset-backed. Consequently, this provides additional value through utilizing our hard assets, precious metals, strategic minerals and their production, as the backbone of these offerings. We are heavily vested in funding the transition of traditional Industries into a more sustainable posture, as well as emerging industries with new entities and new technologies.

Adding the human resource development element collateralizes and secures the developed land-as-asset. The proceeds of these Securities will be exclusively applied towards Green projects, programs, processes and products that promote sustainability for our community, climate, technological, and other environmental or humanitarian purposes. Several categories and sets of criteria have been established to define eligible Green Projects, including but not limited to:

- Renewable energy
- Energy efficiency (including efficient buildings)
- Sustainable waste management
- Sustainable land use (including sustainable forestry and agriculture)
- Biodiversity conservation
- Clean transportation
- Clean water and drinking water.

An aspect of our SURGE™ (**Sustainable Untapped Regenerative Green Economies**) business model will be a series of Value-Based-Investment (VBI) Funds comprising a combination of stocks, bonds, commodities, and futures focused on renewable and green products and processes across industry sectors such as: Packaging, Biomass, Clean-Tech, Energy, Mining and Drilling, Construction and Building Materials, Home Furnishings, Hospitality, Fashion, Education, Real Estate and Transportation. The deliverables that drive the circular economic engines are:

- Cultivation Areas for terrestrial or aquatic biomass
- Preprocessing/Sorting Centers for non-food lignocellulosic feedstock material
- Green Industrial Developments
- Green Urban Developments
- Green AFGRI - and Aquaculture Developments
- Waste mitigation technologies, e.g. Waste-to-Power, Waste-to-Fertilizer
- Transportation Services
- Processing Centers
- Portable and Fixed Refineries
- Manufacturing Facilities, e.g. Concrete, SIP Panels, Furniture, Fashion, etc.
- Distribution for Resultant Products
- Education for various job descriptions

The combination of our novel 'Idea Funnel' and unique product-to-market process allows us to maximize our resources by both streamlining and scaling-up, making the clean technology sector cost-effective.

What is the Biomimicry Circular Economy?

Biomimicry is an approach to innovation that seeks sustainable solutions to human challenges by emulating nature's time-tested patterns and strategies. From material engineering and product design, to business models and infrastructure development, nature has derived solutions that can spark innovation.

The circular economy moves away from the traditional "take-make-dispose" economic model to one that is regenerative by design. The goal is to retain as much value as possible from products, parts and resources to create a system that allows for long life, sharing, digitization and resource recovery.

7 ELEMENTS OF THE CIRCULAR ECONOMY

These 7 elements determine what we need to do for a circular economy as follows:

- **Prioritise Regenerative Resources:** Ensure renewable, reusable, non-toxic resources are utilised as materials and energy in an efficient way.
- **Preserve and Extend What's Already Made:** Maintain, repair and upgrade resources in use to maximise their lifetime and give them a second life through take-back strategies, where applicable.
- **Use Waste as a Resource:** Utilise waste streams as a source of secondary resources and recover waste for reuse and recycling.
- **Rethink the Business Model:** Consider opportunities to create greater value and align incentives through business models that build on the interaction between products and services.
- **Design For the Future:** Adopt a systemic perspective during the design process, to employ the right materials for appropriate lifetime and extended future use.

- **Incorporate Digital Technology:** Track and optimise resource use and strengthen connections between supply-chain actors through digital, online platforms and technologies.
- **Collaborate to Create Joint Value:** Work together throughout the supply chain, internally within organisations and with the public sector to increase transparency and create shared value.

Our world economy is only 9.1% circular, leaving a massive circularity gap.

Closing the circularity gap serves the higher objective of preventing further and accelerated environmental degradation and social inequality. The transition to circularity is therefore a means to an end. As a multi-stakeholder model, a circular economy has the ability to unite a global community behind an action agenda, engaged and empowered both collectively and individually. Its systemic approach boosts capacity and capability to serve societal needs, by embracing and endorsing the best humankind has to offer: the power of entrepreneurship, innovation and collaboration.

What is Blockchain Technology?

A blockchain is a digitized, decentralized, public ledger of all cryptocurrency transactions. Constantly growing as ‘completed’ blocks (the most recent transactions) are recorded and added to it in chronological order, it allows market participants to keep track of digital currency transactions without central recordkeeping. Each node (a computer connected to the network) gets a copy of the blockchain, which is downloaded automatically.

Originally developed as the accounting method for the virtual currency Bitcoin, blockchains – which use what’s known as distributed ledger technology (DLT) – are appearing in a variety of commercial applications today. Currently, the technology is primarily used to verify transactions, within digital currencies though it is possible to digitize, code and insert practically any document into the blockchain. Doing so creates an indelible record that cannot be changed; furthermore, the record’s authenticity can be verified by the entire community using the blockchain instead of a single centralized authority.

A block is the ‘current’ part of a blockchain, which records some or all of the recent transactions. Once completed, a block goes into the blockchain as a permanent database. Each time a block gets completed, a new one is generated. There is a countless number of such blocks in the blockchain, connected to each other (like links in a chain) in proper linear, chronological order. Every block contains a hash of the previous block. The blockchain has complete information about different user addresses and their balances right from the genesis block to the most recently completed block.

The blockchain was designed so these transactions are immutable, meaning they cannot be deleted. The blocks are added through cryptography, ensuring that they remain meddle-proof: The data can be distributed, but not copied. However, the ever-growing size of the blockchain is considered by some to be a problem, creating issues of storage and synchronization.

Advantages of Blockchains

Efficiencies resulting from DLT can add up to some serious cost savings. DLT systems make it possible for businesses and banks to streamline internal operations, dramatically reducing the expense, mistakes, and delays caused by traditional methods for reconciliation of records.

The widespread adoption of DLT will bring enormous cost savings in three areas, advocates say:

1. Electronic ledgers are much cheaper to maintain than traditional accounting systems; the employee headcount in back offices can be greatly reduced.
2. Nearly fully automated DLT systems result in far fewer errors and the elimination of repetitive confirmation steps.
3. Minimizing the processing delay also means less capital being held against the risks of pending transactions.

The Bottom Line

Given the incredible opportunity for decentralization, blockchain technology offers the ability to create businesses and operations that are both flexible and secure.

PROJECT SCOPE OF WORK

REGIONAL CARBON EMISSIONS REDUCTION PROGRAM

On a Smart (A.I./Internet-of-Things Blockchain) Circular Economy Production and Trade Platform

Our task is to incorporate a top-down, bottom-up approach to establishing sustainable business and investment opportunities across regional markets for production and trade hub developments. Building a digital value-asset chain of information, resources, products, and services offered by its independent workforce and strategic partners. This vehicle will allow us to create end-to-end, sustainable human and economic development networks necessary for positioning and facilitating participants' success through a self-operating conscientious and cooperative capitalism based circular economic engine. Our uniquely innovative approach will offer opportunities and options to cultural creatives, veterans, surviving families of vets, independent workers, unemployed, underemployed, and self-employed participate in the transitioning of rural and urban communities globally.

REGIONAL ECO-VILLAGE PRODUCTION/TRADE FACILITY PROGRAM OFFERING:

The management team will help secure public and private partnerships across the global landscape for the following reasons:

- To deliver **Regional Biotech/Agroindustry `AELITA™'/Solarroof Organic Food Research, Production, Packaging, Distribution and CWI International Grocer Supermarket Facilities** on an **A.I./IoT Blockchain Circular Economy Production and Trade Platform**. We will be offering 86 total leasable unit space for joint venture opportunities, within 867,802 total square feet of 'Carbon-Neutral, Zero-Waste' class A mixed-use real estate. The total complex package will consist of an integrated large-scale production, processing, packaging and distribution of organic food commodities. We will be using our brand `AELITA™' modern equipment and methods with autonomous power supply project. The goal of this agroindustry vertical farming facility is to implement a zero-waste agricultural program, a type of sustainable organic agriculture which optimizes use of the five natural kingdoms, i.e. plants, animals, bacteria, fungi and algae, to produce biodiverse-food, energy and nutrients

in a synergistic integrated cycle of human needs-meeting and profit-making processes where the waste of each process becomes the feedstock for another process. We're positioning a supply line for low-cost organic commodities to be sold through CWI chain of community grocery stores and hospitality venues to be built within a 90-mile radius of the hub.

- To deliver **Regional Community Resource Development and Trade Center Facility** on a **A.I./IoT Blockchain Circular Economy Production and Trade Platform**. We will be offering 817 total leasable unit space for joint venture opportunities, within 867,802 total square feet of 'Carbon-Neutral, Zero-Waste' class A mixed-use real estate. The stated goal is "to provide communities with the infrastructure and maintenance of survival skills to become and remain self-sufficient in the new circular economy transition." This center will be a dramatic, high-tech resource facility that will accommodate a wide variety of community needs, e.g. program administration offices, family health and wellness centers, credit union, youth learning, training classrooms, small business incubator, childcare, public space, production, greenhouses, laboratories, showrooms, studio/office, residential, hospitality and entertainment venues.

ECO-VILLAGE MEMBERSHIP SUBSCRIPTION PROGRAM OFFERING:

Independent Contract Workforce Development Program - offers a New Millennium's Work Projects Administration (WPA) Program. Pre-Certification for all certification from the nation's leading Clean-Tech training firms, supplies multiple industries with the skilled workforce necessary to compete in the Green economy of energy efficiency, renewable energy generation and sustainable building and design. We have incorporated the traditional Apprentice-Journeyman-Master learning modality for people who've been left out of (or behind in) the job market and can now be 'retuned' to meet the growing demand for independent Green Collar Workers. Our platform includes a proprietary process that handles contract administration, business insurances, health and retirement benefits, expense management, taxation accountability, and more. We couple this with the benefits of direct vendor access into enterprises and the 'white glove' attention-to-detail of a dedicated business manager for every independent worker.

\$100 annual subscription cost to include access to the following:

- Community Workforce Web Portal with Personal Access Code;
- Personal Life Coach, Training, Economic Development-Response Program Workshops;
- Opportunity as an Independent Contract Worker within the Eco-Village Initiative Community Workforce Web Portal;
- Opportunities in the Green Job Training, Certification and Placement Program;
- Independent contract worker back office support tools for household sustainability and wealth creation;
- Opportunities in the \$250 Billion-And-Growing Independent Contract Consulting Sector.

Cultural Creatives' Entrepreneurship and Business Development Program - offers the New Millennium Entrepreneur a network and systematic program designed for and committed

to Personal and Economic Development. The New Millennium Entrepreneur is the Cultural Creative Worker. What they bring to the marketplace is symbiotic brainpower. The ability to solve and/or resolve complex, unique problems that require coordination, experts, and cultural creatives who have high value because of these very qualities. This program will bring together existing cultural creative networks and professionals from a broad range of academic and skilled backgrounds. Our objective is to incorporate a team approach that will establish business and investment opportunities through the value chain of information, resources, products and services offered by its subscribers thereby transforming existing businesses into sustainable eco-friendly business models equipped to compete in the global marketplace.

\$300 annual subscription cost includes access to the following:

- SME Web Portal with Personal Access Code;
- Green Business Coach, Training, Economic Development-Response Program Workshops;
- Opportunities as strategic partner within the offering of Green Product and Service network;
- Small and Home-based Business Training, Certification and Incubator Program Opportunities;
- Back office support tools for Business and Wealth Creation;
- Opportunities in the \$1 Trillion-And-Growing per year Sustainable Clean Technology Manufacturing and Service Sectors.

Property Owners Sustainable Project Development Program - offers new construction and retrofit projects, processes that promote sustainability for communities, climate, and technological, other environmental or humanitarian purposes. Through this program, we will be creating jobs and business development opportunities, supporting our mission to cut the carbon footprint of regional markets 20% by 2030.

\$600 per project unit subscription cost includes access to the following:

- Sustainable Project Development Web Portal with Project Access Code;
- Project energy audit inspection to transform property into a carbon neutral footprint with a min. 20% energy savings;
- Based on the inspection the Project will attract product placement and purchase opportunities for vendors to support the transformation;
- Based on the inspection the Project will attract independent workforce contract opportunities to support the transformation;
- Based on the transformation the Project will qualify for carbon tax credits and rebate opportunities to support the min. 20% energy savings;
- Property owners supporting our mission to cut the carbon footprint of the resident host State 20% by 2025;
- Opportunities in the \$120-145 Billion-And-Growing Carbon Neutral Real Estate Development Sector;

Businesses of all sizes and all sectors contend that access to competent, skilled and talented workers is the most important ingredient to a business's success. As more clean-tech industries

and occupations begin to emerge, the demand for a skilled 'Green Collar' workforce will also materialize.

The key factor to the success of this endeavor will be the ability to link and communicate with our strategic partners across regional hubs. Establishing data conferencing, distance learning and secure dedicated enterprise networking capabilities will facilitate the necessary communication needs. CETS will be the springboard to successful interaction with government agencies, NGO's, other nonprofit outreach centers, their partners, and administrators.

CETS will create partnerships with public and private organizations that address transitional housing, homeownership education, financing, and construction for low-moderate income families:

- Transitional housing programs for veterans and low-to-moderate income families
- Homeownership training programs to support first time home buyers
- Green mortgage financing for veterans and low-to-moderate income families
- Federal government support programs for community sustainability

The following lists our potential governmental strategic partners with access to contracts, participants as job seekers (end-users), tax credits, support programs and grants:

- Housing and Urban Development
- Housing Authorities
- Veterans Administration
- Department of Justice
- Department of Labor
- Department of Commerce
- Department of Energy
- Environmental Protection Agency
- Health, Education, and Welfare
- Local and State Municipal Agencies

Implementing Key Strategic Program Components

PHASE I - Asset-Based Assessment | Preparation | Programming

- Coordinate the asset mapping and review workforce demographics
- Coordinate the informal support systems / evaluation of existing IT infrastructure
- Coordinate the community stakeholders' and evaluation of existing programs
- Coordinate the total needs tabulation and strategic program planning
- Coordinate the social & economic development programs and budgets

PHASE II – Workforce Development | Entrepreneurship Academies

- Coordinate the Mental Awareness / Psychological Training Infrastructure
- Coordinate the Family Health Care / Tel-Medicine Infrastructure
- Coordinate the Playforce Workforce Development Academy Infrastructure
- Coordinate the Cultural Creative's Entrepreneurship Academy Infrastructure
- Coordinate the Evening/Weekend Workshops & Seminars Infrastructure
- Coordinate the Child Care/Tutorial/Mentoring Programs Infrastructure
- Coordinate the Art / Culture / Sports Enhancement Programs Infrastructure

PHASE III – SME Business Research | Coordination | Development

- Coordinate the Business Information Support Infrastructure
- Coordinate the Marketing Research and Strategic Planning Support Infrastructure

- Coordinate the Internet Business Strategic, Planning and Support Infrastructure
- Coordinate the Strategic Brokering of Products and Services Support Infrastructure
- Coordinate the Marketing Presentations/Seminars/Trade Shows Support Infrastructure
- Coordinate the Advertising/Promotions/Distribution Channels Infrastructure

PHASE IV - Economic Research | Coordination | Development

- Coordinate the Economic Research and Strategic Planning Support Infrastructure
- Coordinate the Financial Planning/Taxation – Business/Personal Support Infrastructure
- Coordinate the Investment Club Infrastructure
- Coordinate the Community Credit Union Infrastructure
- Coordinate the Affordable Housing Initiative Infrastructure

CCRU will help participants deliver a broad range of cutting-edge solutions to address environmental sustainability issues that face industrial and governmental organizations globally. The optimal use of the team alliance concept grants our organization great flexibility, adaptation and efficiency in any given circumstance or condition. CCRU will establish a strong corporate marketing and branding program for each operation. CETS will serve as a supplier of industrial equipment, advanced renewable materials, and technical support to CWI, its regional SME strategic partners, and workforce (end users).

CCRU currently in the process of securing a strategic partnership with BLOCKCHAINS, LLC to deliver and manage the A.I./Internet-of-Things Ethereum Blockchain platform.

Blockchains, LLC currently in development focus on financial services, trusted identity solutions and distributed application (Dapp) software for the Ethereum blockchain. Blockchain projects represent the most innovative and groundbreaking ideas currently being developed within the tech space. The entire blockchain platform is based on the guarantee of trust, and as partners, we promise completely personal, completely transparent communication, collaboration and support – from beginning to end.

We believe that for development in the blockchain space to flourish and reach critical mass, we all must collaborate on our ideas and developments under a new paradigm based on the various stakeholder groups working collectively for a common goal. And, because of that belief, we are creating the world's first Distributed Collaborative Entity (DCE).

Blockchains deliverable to the Global Carbon Emissions Reduction program are as follow:

CUSTODY OF DIGITAL ASSETS

With banks giving way to digital repositories, and paper documents ceding to digital contracts and deeds, it is time for a better place to securely store and manage your digital assets. However, a single, physical location rationally raises centralization fears. In designing our digital asset storage solution, we determined that a multisig application with decentralized physical storage would provide the best protection.

The custody contract is a series of formidable executable distributed code contracts (EDCCs) built on the Ethereum blockchain that will allow for the safe storage of digital assets in cold storage, in a way that still allows for access to those assets when necessary.

But decentralized digital storage using blockchain technology was not enough. We have acquired two decommissioned military communications bunkers in different parts of the United States.

We have also acquired a modern-day fortress that exists within a granite mountain in Switzerland, and one in Sweden. With an electromagnetic pulse (EMP) now one of the likeliest attack vectors for warfare today, these decommissioned, nuclear bomb-proof and EMP resistant military bunkers are ideal repositories for personal data and digital assets. Once developed to our specifications, these fortresses in three stable countries will offer unmatched digital asset storage protection.

This aligns with our vision for the next generation of technological disruption – changing the way individuals and businesses transact and interact with one another across the world. They are for people who hold digital assets and wish to store them securely – including, but not limited to:

- Consumers
- Digital Asset Investors
- Professional Cryptocurrency Traders
- Financial Institutions
- Government Entities
- Corporations

Benefits:

- A safe and secure digital asset management platform
- Built on the Ethereum blockchain with a hybrid Hot and Cold storage architecture
- Multifactor authentication methods ensure that clients' funds are safe and secure from attacks.

Key Features:

- Hot Storage
- Cold Storage
- Asset Management
- Account Management (Subaccounts)
- Account Whitelisting
- Platform Security
- Account Security
- Audit Trail

DIGITAL IDENTITY

NetID is a digital identity solution for the problems of privacy, controlling access to personal documents and records, and the storage of important identifying information. Until now, our personal data has been largely controlled by the institutions we use: the DMV, our doctor's office, our bank, our accounts on social media and e-commerce platforms.

NetID acts as a repository for your most important personal data, storing it on a blockchain that allows you, and no one else, to manage access to your data.

This is increasingly important in a world where so much of our critical information is warehoused online. Recent controversy over hacks exposing the data of millions, or misuse of information gathered under false pretenses, proves it's time for a better way.

NetID ensures that no one else can control access to your information. Using palm vein pattern recognition technology, as vein-based biometric authentication is more accurate than fingerprint authentication, the system securely binds your data to your unique physical identity. The application hashes and encrypts the individual's vein pattern, and other personal identifying

information, and then places it on the Ethereum blockchain so that the NetID user will be able to prove their identity to anyone as long as there is internet access. Control of, and access to, the user's information will be solely with the individual – not us!

NetID will have a reputation system to ensure that, in peer-to-peer transactions or interactions, you can trust that the NetID with whom you're transacting is verified as genuine and trustworthy. Once a user creates a NetID, that person will be able to link it to various personas they create (e.g., a professional persona, a personal persona, a social persona). However, the user's digital reputation will be based on all the personas that are tied to their NetID.

Benefits:

- An end-to-end encrypted identify platform
- A secure biometric method for creating a singular identity
- Trusted blockchain-based identity solution
- Individual sovereignty and control of identity

As the globe becomes increasingly digitized, information is likely to become compromised and subject to exploitation.

AGOINDUSTRY ECO-VILLAGE UTILITIES ECOSYSTEM INFRASTRUCTURE:



CETS WASTE TO ENERGY, Inc (Strategic Partner) will be SPECIFYING and LEASING the following: Underground Automated Pneumatic Waste Collection, Stormwater, Thermal Heat, Renewable Energy and Distilled Water – Utility Ecosystem Infrastructure package for each Eco-Village Projects.

Using Information and Communications Technology (ICT), a single center-command station will coordinate all utilities and services, from roads and transportation to water distribution and the waste management system, and will also ensure security and surveillance. It is also designed to deliver smart services in a faster and more efficient way with the wiser use of natural resources and minimal impact on the environment. For example, thanks to power grids and smart meters, water and power waste will be limited, as the system will assess how much energy and resources are being used by every tenant and will deliver services per this assessment.

AUTOMATED VACUUM WASTE COLLECTION SYSTEM by Envac - No more overfilled bins in the street, no more heavy vehicles causing traffic jams during collection and much less pollution and noise. As waste volumes continue to grow, more and more stringent demands are being made of waste handling regarding hygiene and the environment. Envac AB is one of the leading environmental technology companies in Sweden and the global leader in the vacuum waste collection industry.

The ENVAC Pneumatic solid waste collection system is based on a network of pipes through which a strong air flow, created by exhausters housed in a terminal or collection station, transports the collected waste to the terminal where it is compacted into sealed containers. Based on proprietary technology the ENVAC system is completely sealed which means doing away with foul smelling and dirty refuse rooms and containers in the street. Once waste is thrown into an

inlet there is no need for any manual contact with it again. Because it is essentially a sealed system, it is easily made flood resilient.



CO-HYBRID DRY WASTE TRANSFORMATION INTO COMBINED HEAT AND POWER GENERATION TECHNOLOGY by CETS Waste to Energy, Inc. – is a purveyor of cutting edge technology and design, main objective is to offer new innovations in the areas of Waste Management, Renewable Energy, Water Purification and Aquatic Food Production. The strength of this organization is its problem-solving ability to deliver cost effective and efficient solutions to offset property owners' environmental impact by "greening" the power consumption and cutting cost. Over the past five years, their scientific research and engineering team has designed and tested its on-site stations for safety, reliability and have proven to reduce waste disposal, renewable energy cost and carbon footprint at a minimum of thirty percent (30%). Using less energy to produce its renewable energy and other by-product output, giving a competitive advantage in the marketplace and to its strategic partners.

CETS will deliver a 1-megawatt per hour station that will handle a dry organic waste capacity of 36 tons per day. This waste will be vacuumed into Thermal Power Destructive Reactor containers; crushing is not required. This capacity causes sufficient gas to obtain 1 MW per hour of electrical energy in an electrical diesel-generator. The temperature in the core of the gasification chamber can reach 1500° Celsius. When the reactor emissions are vented all gases produced are suitable for use in prevailing piston engines. Toxicity from the additive of 5% diesel into the generator motor's exhaust gases are below today's standards of diesel motors exhaust emissions. The remaining 95% solid fuels consumption is less than 1.5kg at 1kW of electricity. The fuel required to power and heat the reactor to 1500° C is produced on site. This production capacity is more than sufficient in quantity, is ecologically sound and very cost effective.

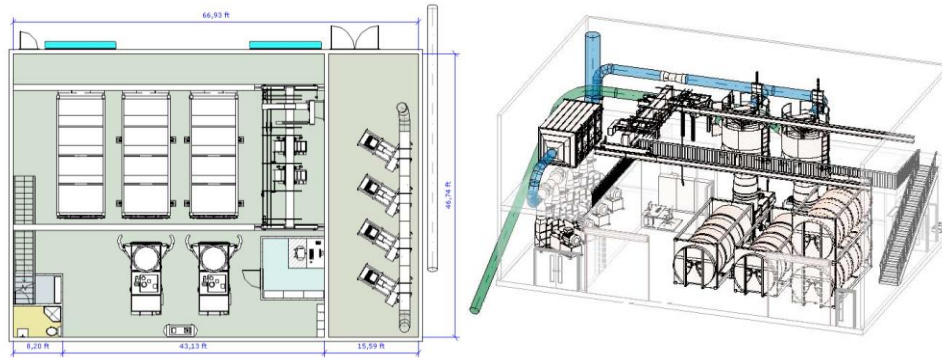
WET WASTE TRANSFORMATION INTO NATURAL BIO-SECURE ORGANIC FERTILIZER by Global Sustainable Products, Inc. - Utilizing its patented high shear dry extrusion and mechanical expeller technology to convert current field and livestock biomass wastes, institutional food service wastes, livestock and poultry production and processing facility wastes, restaurant wastes and raw oil seeds grown by farmers in the area with municipal sludge into marketable Bio-Secure organic fertilizer, protein meal and vegetable oil.

TWO FRACTION (WET & DRY WASTE STREAMS) ON-SITE TERMINAL:

All the equipment needed to collect the waste (CHP units), to create the transport air flow and to separate the transport air from collected waste is housed in the collection terminal. Based on Envac's patented valve system and controlled by its SCADA computer system primary electrical consumption is only during scheduled collection cycles. Based on computer programming,

collection are timed at designated intervals, conserving the amount of power needed to operate the system.

Based on the data supplied and the very preliminary review, terminal space requirements for two waste streams: ± 3,150 sq. feet (2 fractions). Minimum Height - 30'.



The Waste/CHP and PST containers are stacked inside the terminal as shown in the drawing.

“PST” MICRO GRID CONTAINERS COMBINED WITH ENERGY STORAGE SYSTEMS by Green Kinetics, Inc. - An Energy Storage System is a configuration of Batteries and Inverters and other component parts such as our biomass waste to energy, that captures energy produced at one time, then stores it in the batteries, for use later. The Pierce System Technology “PST’s” an Energy Management System, “EMS”, uses Energy Storage Systems in its configuration, and can easily cause one to draw the conclusion that it is simply an “Energy Storage System”. Energy Storage is an integral component in the balance of energy generation and delivery for a sustainable grid. Once the Energy Storage System is combined with the “PST” “EMS”, it exponentially extends the time of use and the output capacity, of the Energy Storage System. Thus, providing a stand-alone, self-sustained Micro Grid up to 87% of the time (i.e., up to 21 hours of a 24-hour cycle). The “PST” Energy Management System, “EMS”, is housed inside of a 40 Ft. Container and is combined with a 1 Mega Watt Energy Storage System.



CETS Net-Zero Integrated Underground Automated Pneumatic Waste Collection, Stormwater, Thermal Waste Heat, Renewable Energy, Distilled Drinking Water – Utility Ecosystem Infrastructure Lease Program Benefits to the project:

1 Megawatt Per Hour Utility Micro-Grid Ecosystem Annual Lease Package					
Processing	Input Per Day	Output Per Day	Output Per Year	Sell Price	Total Client Cost Per Year
Waste Disposal	36 MT		13,140 MT	\$60	\$788,400.00
Renewable Energy		22,000 KW	8,030,000 KW	\$0.06	\$481,800.00
Thermal Waste Heat		44,000 KW	16,060,000 KW	\$0.06	\$963,600.00
Distilled Water		2,034 GAL	742,410 GAL	\$0.40	\$296,964.00
Total Annual Waste to Energy Utilities Service Lease Package Cost					\$2,530,764.00
Annual Discount on a 25-year Term Lease Option Contract					\$30,764.00
Total Waste to Energy Utilities Service Lease Option Package Cost*					\$2,500,000.00

- Providing a fixed and reduced utility bill – Cash flow positive from Day 1 to Year 25;
- Protection from escalating energy rates–Most experts predict that the cost of electricity will continue to increase faster than inflation due to pressure from global demand growth and environmental regulations. Locking in a low rate today will protect profits tomorrow, and if prices rise as projected, savings will increase;
- No production or performance risks – The risk of a system performing less than projected falls on the installer (CETS Waste to Energy);
- The Eco-Village will offer its tenants savings on all utilities included lease package; waste disposal, maintenance expenses, and the use of renewable energy production, so all operation and maintenance is addressed by Waste to Energy, Inc;
- Marketing opportunities–Switching from ‘brown’ power to clean renewable energy and thermo-heat is one the best Marketing and PR tools available to developers and municipalities;
- Reduction in CO2 emissions as route collection trucks are eliminated reducing miles travelled and idling time;
- Reductions of traffic volume in area generally;
- Increased recycling participation, as recycling becomes easier to users as well as handlers;
- Reduced operating costs due to benefits such as - elimination of manual handling, reduced employee injury, elimination of spills/odors and vermin;
- 24/7 operations regardless of climate conditions, holidays and labor disputes;
- Implementation of solid waste management practices such as “pay as you throw” and other sustainable initiatives;
- Remote, computerized operations and fluid data collection;
- Public health and “curb appeal” benefits as system is sealed, no odors nor spills, no bins, bags and compactors attracting vermin and other pests;
- Carbon footprint reduction–On average around 90%;
- Carbon Credits toward the developer investment (Lease payments for service);
- Freeing up of capital for critical investments–Saving money on operating costs allows clients to preserve their capital to invest in core business opportunities.

The CETS Waste to Energy Lease Agreement Terms:

- 25 -Year contract length;
- Cash flow positive in Year 1 thru 25 at 20% savings from market cost;
- Multiple buy out options or the system can be removed at the end of the contract;
- Option to extend after the contract term has completed.

SWOT Analysis of the Eco-Village

Strengths: There are several strengths to the Eco-Village project, the first of which is the display of the most innovative, cutting-edge technology in a beautiful setting for the world to see, is one of the strongest. Secondly, we’re offering cost-effective B2B, B2C on-site, on-demand

custom product development solutions. Other strengths include the relationship with UBC-TV Network, Membership Programs, the high-tech, high-drama environment for real-time analytics (data mining), the unique design of the buildings, the “First-to-Market” brand building, and the low-cost physical presence, just to name a few.

Weaknesses: The weaknesses are the inability for customers to immediately carry their items out of the showrooms, and the other is the length of time it will take the showrooms to build their brand.

Opportunities: Some opportunities are the creation of strategic partnerships with other trendsetters, the advantages that will come because of the growing customer membership, such as test marketing, special deals, special collections from designers, and the ability to successfully link online and offline markets.

Threats: Some threats are other luxury brand showrooms duplicating our luxury brand multi-channel showrooms in the same market, the possibility that the public will not accept this business model.

However, our biggest strength is the **Cultural Creatives Entrepreneurship and Business Incubator Development Program** which will train and produce New Millennium Entrepreneurs to occupy the leased space as tenants. The New Millennium Entrepreneur is the Cultural Creative Worker who brings (and leverages) symbiotic brainpower to the marketplace.

MARKETING STRATEGY

The biggest threat to the Eco-Village appears to be the fact that there are no “barriers to entry”; there is nothing stopping competitors from following us into the market with the same or similar ideas. Therefore, the only option is to exploit the “First to Market” advantage and build the Eco-Village brand as quickly and efficiently as possible on three fronts:

- With Strategic Partner Showrooms - Comprehensive marketing materials, a strong story, fast customer service, a complete Eco-Village website for reference, fast follow up.
- With Publicity - Hitting the media hard with press releases, story ideas, and promotions, having appropriate Eco-Village officers available for the press.
- With the Public - The multi-channel marketing strategy must be online and prepared the moment the doors open.

KEY SELLING POINTS

Eco-Village representatives will be approaching potential participants with truly unique products or services, a truly cost-effective way for participants to gain “click and mortar” status.

The Top Ten Key Selling Points to leverage include:

Physical Status - Pure internet plays are losing ground to click and mortar operations and the Eco-Village will allow the showrooms to transition to click and mortar at an absolute minimum cost. *Eco-Village showrooms will now be able to offer high-end, custom-made products formerly unavailable offline—a significant selling advantage.*

High Tech, High Drama - The “glamour” of the Eco-Village, with its high tech feel and true online customer interactivity, will draw great media and consumer interest. "Tasting Salons" will add to the experience with exciting and enticing live presentations and productions.

State-of-the-Art POS Technology - The Eco-Village will allow the showrooms to take advantage of the latest in efficient, accurate and secure POS technology.

Strong Eco-Village Support - The Eco-Villages will not be on their own once they have occupied their space, as many showrooms are. All showrooms will receive support from marketing to customer service.

Publicity - The Eco-Village operators will actively pursue local, regional and national publicity on behalf of its showrooms. And again, because of the nature of this unique buying/selling environment, we anticipate strong interest from both the media and the consuming public.

Shared Demographics - All Eco-Village showrooms target upscale, tech-savvy consumers. By proximity alone, showrooms will be heavily exposed to their target market.

Multi-Channel Marketing - Another example of Eco-Village support, showrooms can be assisted by an aggressive multi-channel marketing program to maximize revenues and profits.

Strong Showroom Markets - Each of the five opening locations are in strong showroom markets and are in high-traffic shopping areas, and this should provide healthy built-in traffic.

Consumer Membership Program - This will inspire customer loyalty and repeat business, but will also provide showrooms with valuable CRM data and potentially Big Data mining.

Integration with Showroom Web Site - Eco-Villages will take full advantage of showrooms' websites, continuing the symbiotic relationship between the physical locations and the company, and maximize the value of the sites themselves.

Flexibility with Uniformity - Eco-Village showrooms will be able to choose from several base floor plans and add-on accessories to give their area a personalized touch. At the same time, the overall floor plan will be uniform, clean, organized and easy to navigate.





DESIGN STUDIO

Designing End-to-End Concepts into Sustainable Reality

PROJECT ESTIMATED DESIGN/BUILD/MANAGE OPERATION ANALYSIS: Commodities Production/Community Resource Development/Trade Hub

1,735,604 Total Square Feet of 'Net-Zero' Class A Real Estate Asset
Office/Retail/Entertainment/Production/Hospitality/Showrooms/Labs/Classrooms/Residential

BUILDING TENANT SPACE DESIGN PROGRAM

Building #1 - Vertical Farming / International Community Food Market on a 600'x600' lot size:

- Designer Studio Townhouse = 40 @ 88,784sf total
- Restaurant Townhouse = 4 @ 40,752sf total
- Chefs Studio Townhouse = 40 @ 88,784sf total
- 'AELITA™'/Solaroof CityPOD Vertical Food Production = 300,000sf total
- Organic Food Packaging/Distribution Center – 97,735sf total
- International SuperMarket/Food Court on the 1st floor 53,968sf total

Total: 867,802sf | Leasable: 670,023sf | Tenant Units: 86

Building #2 – Community Resource Development and Trade Center on a 600'x600' lot size:

- Restaurant Townhouse = 4 @ 30,752sf total
- Residential Townhouse = 40 @ 88,784sf total
- Showroom Space = 40 @ 88,784sf total
- Chefs Kitchen = 30 @ 82,198sf total
- Production Space = 12 @ 51,200sf total
- Classrooms = 32 @ 28,608sf total
- Exhibit Hall = 20 @ 99,144sf total
- Private Office = 228 @ 46,920sf total
- Desk Space = 256 @ 12,288sf total
- Hotel Rooms = 144 @ 82,656sf total (168 Beds)
- Black-Box Theatre Venue = 4 @ 27,348sf total
- Vertical Farming Greenhouse = 3 @ 10,041sf total
- Entertainment Venue Rooftop = 4 @ 21,300sf total

Total: 867,802 | Leasable: 670,023sf | Tenant Units: 817

1,340,046 Leasable SF | 903 Units | TBA - Metric Tons of Carbon Reduction Credits



Waste



Energy



Water



Food



Fuel



Raw Material

ECO-VILLAGE PHASE-ONE INFRASTRUCTURE DEVELOPMENT PROJECTED PREMILNARY DESIGN BUILD COST ESTIMATE

1,735,604 Total Square Feet of Net-Zero Certified Class A Real Estate Asset Office/Retail/Entertainment/Production/Hospitality/Showrooms/Labs/Classrooms/Residential			
CODE	DIVISION NAME	%	PROJECTED COST
00	Procurement & Requirements		\$4,177,231.56
01	General Requirement		\$16,998,569.70
02	Site (Earth & Landscape work)		\$5,786,536.80
03	Concrete		\$14,312,235.03
04	Masonry		\$9,130,722.80
05	Metals		\$3,785,830.68
06	Wood, Plastics, and Composites		\$6,282,512.43
07	Thermal and Moisture Protection		\$5,665,688.50
08	Windows and Doors		\$16,021,161.30
09	Finishes		\$15,557,136.60
10	Specialties		\$10,124,759.39
11	Equipment		\$10,647,376.61
12	Furnishings		\$6,569,642.07
14	Conveying Systems		\$2,354,463.11
21	Fire Suppression		\$2,230,040.26
22	Plumbing		\$6,603,645.35
23	HVAC		\$6,220,805.82
26	Electrical		\$9,546,555.97
33	Utilities - Waste Collection/Micro-Grid/Telcom Ecosystem		\$19,985,711.51
TOTAL CONSTRUCTION PROJECTED COSTS		100	\$195,000,626.00
CONSTRUCTION COST PER SQUARE FOOT = \$112.35			
Project 20-1MW Waste to Energy (W/CHP) Unit Installation Deposit			\$51,400,000.00
Project Architectural/Engineering/Permitting Process Budget		8	\$15,600,050.10
Project Construction Management Fee		3	\$5,850,018.78
Project BioTech/Agroindustry/Feasibility Management Budget		3	\$5,850,018.78
Project Contingencies		9	\$17,550,056.30
Project Administration (Business/Training/HR/Funding/CPA) Budget		3	\$5,850,018.78
TOTAL DESIGN-BUILD-MANAGEMENT FEE			\$102,100,162.78

TOTAL PRELIMINARY DESIGN BUILD PROJECTED COST ESTIMATE

\$297,100,788.78 (\$171.18 per sq. ft.)

Deliverable for 903 Regional Net-Zero Sustainable Business Operations

ECO-VILLAGE INFRASTRUCTURE DEVELOPMENT COMPREHENSIVE MASTER PLAN DESIGN SCHEDULE

TASK	30 DAYS	60 DAYS	90 DAYS	120 DAYS
A. Data Collection and Analysis				
Start-up meeting				
Data collection				
Review/analyze existing reports/studies				
Assess existing social services and programs				
Survey infrastructure				
Survey physical conditions of structures and surrounding communities				
Environmental and Asset-based Assessment				
Prepare base maps & existing conditions				
Steering Committee meetings				
Parameter-goals, objectives workshop				
Prioritize goals, objectives and needs				
B. Development of the Conceptual Site Master Plan				
Prepare preliminary concepts (diagrams & models)				
Develop social services programs				
Develop self-sufficiency program				
Develop financing program				
Develop marketing program				
Begin market study				
Steering committee meeting				
Alternatives-design workshop				
C. Development of the Site Master Plan				
Prepare final drawings and models				
Prepare potential and committed funding sources				
Secure letters of support from all partners				
Finalize self-sufficiency				
Develop design standards for implementation				
Establish development priorities and schedule				
Finalize market study				
Community Council review of master plan draft				
Revise master plan				
Consensus workshop				
Submit final plan for permitting				
Begin implementation				
D. Short-range Implementation Projects				
Establish local Community Resource Development Center Facility				
Landscaping program				
Other to be identified				

Projected Design, Build, Tenant Development, Return-On-Investment Schedule:

- Start/Complete Design & Permit Filing Process 6 Months
- Start/Complete Project Construction Process 12 Months
- Start/Complete Tenant Interior Buildout 6 Months
- Start/Complete Fully Occupied Tenant Mix 18 Months
- First Annual Dividend/Profit-Sharing Distribution 36 Months

ANNUAL OPERATION GROSS REVENUE ESTIMATE ANALYSIS (12-Months of Subscriptions, Programs, Production and Trade Operations)	
Leasable Units: 1,340,046sf / 903 On-Site Unit Space @ \$25 psf Lease	\$33,501,150.00
500 On-Site Circular Economy Trade Platform Subscription @ \$25K	\$12,500,000.00
6,000 Off-Site Circular Economy Trade Platform Subscription @ \$25K	\$150,000,000.00
903 Regular Business Participant Subscription Fee (\$300 annually)	\$270,900.00
7,200 per year Consumer Participant Subscription Fee (\$100 annually)	\$720,000.00
30% profit-sharing from 903 Regional SME JV Operations @\$150,000	\$135,450,000.00
TOTAL ANNUAL GROSS ESTIMATED REVENUE ANALYSIS	\$332,442,050.00
<i>\$300M Green/Climate Bond (10-year) Annual 6% Coupon Payment</i>	-\$18,000,000.00
Eco-Village Property and Program Management Budget	-\$100,000,000.00
Project Stakeholders Profit-Sharing Distribution Payout	-\$100,000,000.00
TOTAL ANNUAL NET ESTIMATED CASH RESERVES	\$114,442,050.00

The mission is to recruit, train, certify and position 7,200 regional business/consumer participant subscribers into the Blockchain Circular Economy Production and Trade Platform per year.

**Adding 7,200 Participants Annually to the Regional Circular Economy Platform at
\$100 MILLION PROJECTED ANNUAL STAKEHOLDER PROFIT-SHARING DISTRIBUTION:**

STAKEHOLDER MEMBERSHIP PROFIT-SHARING	%	PAYOUT
CETS Development Trust, Inc. (Preferred Developer)	60	\$60,000,000.00
Project Sponsor (Government/Non-Profit CDC/Landowners)	30	\$30,000,000.00
Project/Program Management (Administration Consultants)	10	\$10,000,000.00
TOTAL ANNUAL PROFIT-SHARE DISTRIBUTION	100	\$100,000,000.00

Stakeholders will have the potential to generate in annual profit-sharing distribution over \$2.3 Billion total from 23-years (\$100M x 23-years) of business operations under our 25-year Preferred Developer contracts.

INVESTMENT OPPORTUNITIES

CETS Development Trust, Inc. is offering a 5% investor buy-in for \$15,000,000 convertible warrant into Project revenue streams from the regional Circular Economic production and trade activities. We will place the \$15,000,000 cash investment in our trade account for the purpose of trading, serving as assets on the books. We will monetize the cash for a line-of-credit at 90% Loan-To-Value with a 3-4% interest rate. The return on investment from the bank trade platform will cover the loan interest rate against the bond. This task will help us build a credit rating for our new business operations and bond offerings. Project Corporate stockholders will receive annual dividend payouts 12-months after the design/build process and program management operations is complete (on a 24-month timeline) for the next 22-years on the Joint Venture contract with the Project Sponsor. Each Eco-Village project under our 25-year Preferred Developer contract has the potential of generating \$60 Million annually from profit-sharing.

CETS will authorize the issuance of **\$300 Million Corporate Green/Climate Bond Ten-year note, 6% cap coupon for trade** on behalf of each CETS Eco-Village Development. The capital raised will be used to fund the regional Biotech/Agroindustry Eco-Village infrastructure development projects. The Biotech/ Agroindustry Eco-Village complex project will deliver a smart net-zero underground organic waste collection into W/CHP utilities (waste, thermal heat, power, distilled water), micro-off-grid storage, 5G Telecom infrastructure; including regional job training, placement, and eco-friendly small, medium enterprise (SME) development programs for underserved markets.

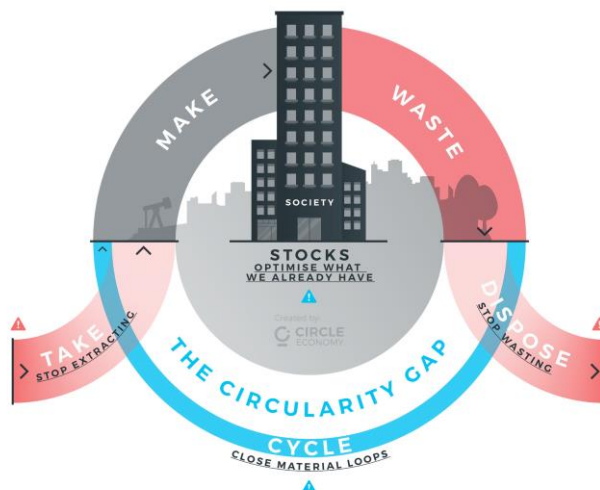
INVESTMENT EXIT STRATEGY

CCRU management team and its strategic partner's ultimate objective is to increase the overall value proposition of the company over ten years. The goal is to strategically expand our Global Carbon Emissions Reduction Program with a commodities production and trade Infrastructure development hub asset portfolio. We're positioning to secure 500 regional sites under 25-year preferred developer contracts by end of 2020.

After positioning the Biotech/Agroindustry hub operations in 500 markets we will offer a 10% equity stake based on the portfolio valuation in 1Q/2030, selling to the highest bidder.

TO BRIDGE **THE CIRCULARITY GAP** WE NEED TO:

▲ Stop extracting ▲ Stop wasting ▲ Optimise what we already have ▲ Cycle more and better





CUTTING EDGE TECHNO SOLUTIONS

Delivering a Global Carbon Emissions Reduction Program on a Blockchain Circular Economy Platform

Registered Participant in the United Nations Global Compact Initiative

LANE SUSTAINABLE ECO-VILLAGE DEVELOPMENT PROJECT

Master Plan Design | Infrastructure Development | Operation Management

8,149,352 Buildings SF | 5,588,192 Leasable SF | 10,312 Units | 5,346 Tenants | TBA MT of Carbon Reduction

Block #1 - Hotel & Residential Condo Complex:

- Hotel Rooms = 348 @ 199,752sf (648 Beds) total
- Residential Condo = 300 @ 240,000sf total
- Office = 40 @ 22,960sf total
- Retail = 50 @ 28,700sf total
- Restaurants = 4 @ 40,752sf total
- Entertainment Venue = 4 @ 20,000sf total
- Fitness Studio = 2 @ 1,600sf total

Total: 664,516sf | Leasable: 553,764sf | Units: 748

Block #2 – Cultural Fine Arts Complex:

- Restaurants = 5 @ 25,000sf total
- Office = 40 @ 22,960sf total
- Retail/Galleries = 50 @ 28,700sf total
- Entertainment Venues = 10 @ 375,043sf total
- Restaurant Townhouse = 4 @ 40,752sf total
- Residential Townhouse = 40 @ 88,784sf total
- Artist Studio Space = 40 @ 88,784sf total

Total: 867,802sf | Leasable: 670,023sf | Units: 189

Block #3 – Health & Wellness Center Complex:

- Hospital Rooms = 144 @ 82,656sf total (168 Beds)
- Private Lab = 50 @ 99,200sf total
- Surgical Rooms = 5 @ 4,000sf total
- Private Office = 120 @ 241,266sf total
- Retail = 50 @ 28,700sf total
- Restaurants = 5 @ 25,000sf total
- Restaurants Townhouse = 4 @ 40,752sf total
- Residential Townhouse = 40 @ 88,784sf total
- Showroom Space = 40 @ 88,784sf total

Total: 867,802 | Leasable: 699,142sf | Units: 458

Block #4 – Clean Tech Sector Expo Complex:

- Exhibit Space = 2,700 @ 435,024sf total
- Private Office = 40 @ 79,360sf total
- Retail = 50 @ 28,700sf total
- Restaurants = 5 @ 25,000sf total
- Entertainment Venue Rooftop = 4 @ 20,000sf

Total: 646,892sf | Leasable: 588,084sf | Units: 2,799

Block #5 – Central Park:

- Restaurants & Outdoor Lounge = 3 @ 25,000sf total
- Entertainment/Outdoor Stage = 1 @ 5,000sf total

Total: 357,720sf | Leasable: 30,000sf | Units: 4

Block #6 – Vertical Farming & Food Market:

- Designer Studio Townhouse = 40 @ 88,784sf total
- Restaurant Townhouse = 4 @ 40,752sf total
- Chefs Studio Townhouse = 40 @ 88,784sf total
- Vertical Food Production (2-7 floors) – 347,735sf total
- Food Market on the 1st floor 103,968sf total

Total: 867,802sf | Leasable: 670,023sf | Units: 86

Block #7 – Resource Development & Trade Complex:

- Restaurant Townhouse = 4 @ 30,752sf total
- Residential Townhouse = 40 @ 88,784sf total
- Showroom Space = 40 @ 88,784sf total
- Chefs Kitchen = 30 @ 82,198sf total
- Production Space = 12 @ 51,200sf total
- Classrooms = 32 @ 28,608sf total
- Exhibit Hall = 20 @ 99,144sf total
- Private Office = 228 @ 46,920sf total
- Desk Space = 256 @ 12,288sf total
- Hotel Rooms = 144 @ 82,656sf total (168 Beds)
- Theatre Venue = 4 @ 27,348sf total
- Vertical Framing Greenhouse = 3 @ 10,041sf total
- Entertainment Venue Rooftop = 4 @ 21,300sf total

Total: 867,802 | Leasable: 670,023sf | Units: 817

Block #8 – Lab Research & Development Complex:

- Restaurant Townhouse = 4 @ 30,752sf total
- Residential Townhouse = 40 @ 88,784sf total
- Showroom Townhouse = 40 @ 88,784sf total
- Private Office = 40 @ 79,360sf total
- Retail = 50 @ 28,700sf total
- Chefs Restaurants = 5 @ 25,000sf total
- Research Lab Space – 219 @ 327,043sf total
- Fitness Studio = 2 @ 1,600sf total

Total: 867,802 | Leasable: 670,023sf | Units: 400

Block #9 – Production & Distribution Center:

- Manufacturing Plants = 39 @ 676,000sf total
 - Cargo Load & Unload Stations = 2 @ 2,000sf total
 - Rail Car Yard = 110 Rail Car Capacity (6,800LF of Rail)
- Total Leasable Space: 678,000sf | Units: 42**

Block #10 – Corporate Security & Data Center:

- Security & Data Center Facility = 2 @ 40,000sf total
- Total Leasable Space: 40,000sf | Units: 2**

Block #11 – Parking Garage & Garden:

- Robotic Parking = 2 @ 138,920sf total (660 cars)
 - Greenhouse Garden = 2 @ 144,752sf total
- Total Space: 283,672sf | Units: 1,322**

Block #12 – Parking Garage & Garden:

- Robotic Parking = 2 @ 138,920sf total (660 cars)
 - Greenhouse Garden = 2 @ 144,752sf total
- Total Space: 283,672sf | Units: 1,322**

Block #13 – Executive Residential Townhouse Units:

- Three Bedroom Units = 120 @ 1,600sf 192,000sf total
 - Two Bedroom Units = 120 @ 1,400sf 168,000sf total
- Total Leasable Space: 360,000sf | Units: 240**

Block #14 – Executive Residential Single-Family Units:

- Three Bedroom Units = 28 @ (2,500sf) 70,000sf total
 - Four Bedroom Units = 28 @ (3,500sf) 98,000sf total
- Total Leasable Space: 168,000sf | Units: 56**

Block #15 – Parking Garage & Greenhouse Gardens:

- Robotic Parking = 2 @ 138,920sf total (660 cars)
 - Greenhouse Gardens = 2 @ 40,000sf total
- Total Space: 178,920sf | Units: 1,322**

Block #16 – Parking Garage & Greenhouse Gardens:

- Robotic Parking = 2 @ 138,920sf total (660 cars)
 - Greenhouse Garden = 2 @ 40,000sf total
- Total Space: 178,920sf | Units: 1,322**

Deliverable under CETS 25-year Sole Source Developer Contract for Implementation on 200-Acre plus Sites
Smart Sustainable Eco-Village Infrastructure Design Build Project



GLOBAL CARBON EMISSIONS REDUCTION PROGRAM
Transforming Communities into Regional Blockchain Circular Economy Production and Trade Hubs

