



**GREEN
CROSS**
United
Kingdom

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CLIMATE POSITIVE SUSTAINABLE
INFRASTRUCTURE PROGRAMME

CPSI PROGRAMME: EXECUTIVE SUMMARY.

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1. Voluntary and Independent Programme: This programme is developed in collaboration with the Institute for Sustainable Infrastructure and Harvard University, aiming to promote sustainability voluntarily.
2. Assessment: Conducts a comprehensive assessment of each project from the outset, establishing a baseline to measure its impact.
3. Roadmap: Provides a tailored **ROADMAP** for sustainability that guides organizations in aligning with international standards and enhancing their ESG reporting.
4. Stakeholders' Integration: Promotes collaboration among all stakeholders related to the project, ensuring the pursuit of agreed sustainability objectives.
5. Sustainability Hypercube Approach: Applies the "Sustainability Hypercube," which encompasses 6 categories, 17 subcategories, and over 70 credits to evaluate various dimensions of sustainability.
6. Sustainable Solutions: Includes recommendations on sustainable solutions, specifically regarding decarbonization, water management, and energy transition.
7. Multidisciplinary Team: Assigns a team of specialists from diverse disciplines to address the needs and impact of the project.
8. Long-Term Sustainability: Ensures the sustainability and resilience of infrastructure throughout its entire lifespan.
9. Green Leverage: Facilitates access to green financing, supporting the development and implementation of sustainable projects with appropriate monitoring mechanisms and the generation of carbon credits.
10. Independent Sustainability Management: Sustainability is entrusted to an independent external advisor, ensuring compliance with required standards.
11. Comprehensive Impact Metrics: Implements a metrics system (KPI/IOT) to evaluate social, environmental, and economic impact, providing a holistic view of the contribution to sustainability and a competitive advantage in the market.

SUSTAINABILITY IN INFRASTRUCTURES.

INFRASTRUCTURE IS THE CORNERSTONE OF ECONOMIC DEVELOPMENT, AND IT IS FAILING!

Roads, ports, airports, railways and telecommunications networks are the conduits of trade and mobility. Electricity powers production, and clean water supports public health. Investments that modernize and maintain these systems can boost economic growth.



"The world should adopt a simple rule: if large infrastructure projects are not green [sustainable], they should not be given the green light."

Antonio Guterres, Secretary-General of the United Nations.

Infrastructure is a critical enabler of direct and indirect benefits to communities. Persistent underfunding of critical infrastructure around the world is hampering economic development and exposing organisations and communities to significant risks: environmental, social, and economic.

WHY SHOULD INFRASTRUCTURES BE SUSTAINABLE?

Infrastructures are long-lasting, what is built today has design lives ranging from 20 to more than 75 years. This means that the infrastructure built today will set the energy, water and material efficiencies, and impacts on ecosystems for decades to come.

Therefore, whatever is built today, it is better to do it well. It is necessary to do the best with existing technologies, designing and delivering the infrastructure that conserves the most resources and energy within the limits of budgets and priorities.

In addition, the efficiency and effectiveness of infrastructure depends not only on their intrinsic design, but on how that design integrates and works for the community in which they reside.

CPSI PROGRAMME: SUSTAINABLE INFRASTRUCTURE.

1. CPSI PROGRAMME OBJECTIVE:

- Encourage and support public and private organisations to achieve Sustainable Infrastructures, through a comprehensive programme of promotion, support, investment and/or implementation of this, seeking to accelerate the transition towards Climate Positive.

2. SUSTAINABLE INFRASTRUCTURE:

- Sustainable infrastructures are those that are planned, designed, built and dismantled in a way that ensures economic and financial, social, environmental (including climate resilience) and institutional sustainability throughout the life cycle of the project.

3. BRIDGING HORIZONS THROUGH SUSTAINABLE INFRASTRUCTURE:

CPSI encourages the generation of alliances between public and private organisations, with the aim of taking advantage of the strengths of both sectors, promoting innovation, efficiency and shared responsibility.

- Public Sector: CPSI aligns perfectly with public organisations' mandates for community well-being and environmental resilience. The CPSI Programme is designed to strengthen public infrastructure management by solving challenges, creating job opportunities, and raising the overall quality of life of citizens.
- Private Sector: The CPSI Programme aligns perfectly with the goals of business organisations, encouraging them to participate in sustainable infrastructure projects, elevating the position of organisations as pioneers in corporate responsibility, tapping into emerging markets, enhancing brand value, and ensuring long-term sustainability in a rapidly changing world.

4. SCOPE:

- CPSI is designed for all types and sizes of infrastructure, such as energy, water, waste, transportation, landscape, information, industrial plants, among others. CPSI treats each Organisation as a universe in itself, on a case-by-case basis, taking into account the environment and specific needs.

CPSI PROGRAMME: SUSTAINABLE INFRASTRUCTURE.

5. BRIEF DESCRIPTION:

- CPSI provides a medium and long-term course of action, establishing gradual and progressive milestones to measure, report and verify compliance with agreed targets. In addition, it seeks to move towards milestones that generate a positive impact.
- The dynamic axes of the Programme are Social Impact, Governance, Life-Cycle Resources, Environment, Risk and Resilience, and Castling. These axes, together with 73 sustainability criteria, comprehensively address sustainability and form the basis of CPSI.
- From there, each organisation approaches sustainable infrastructure according to its scope and scope, taking advantage of the opportunities and benefits of achieving sustainable infrastructure.



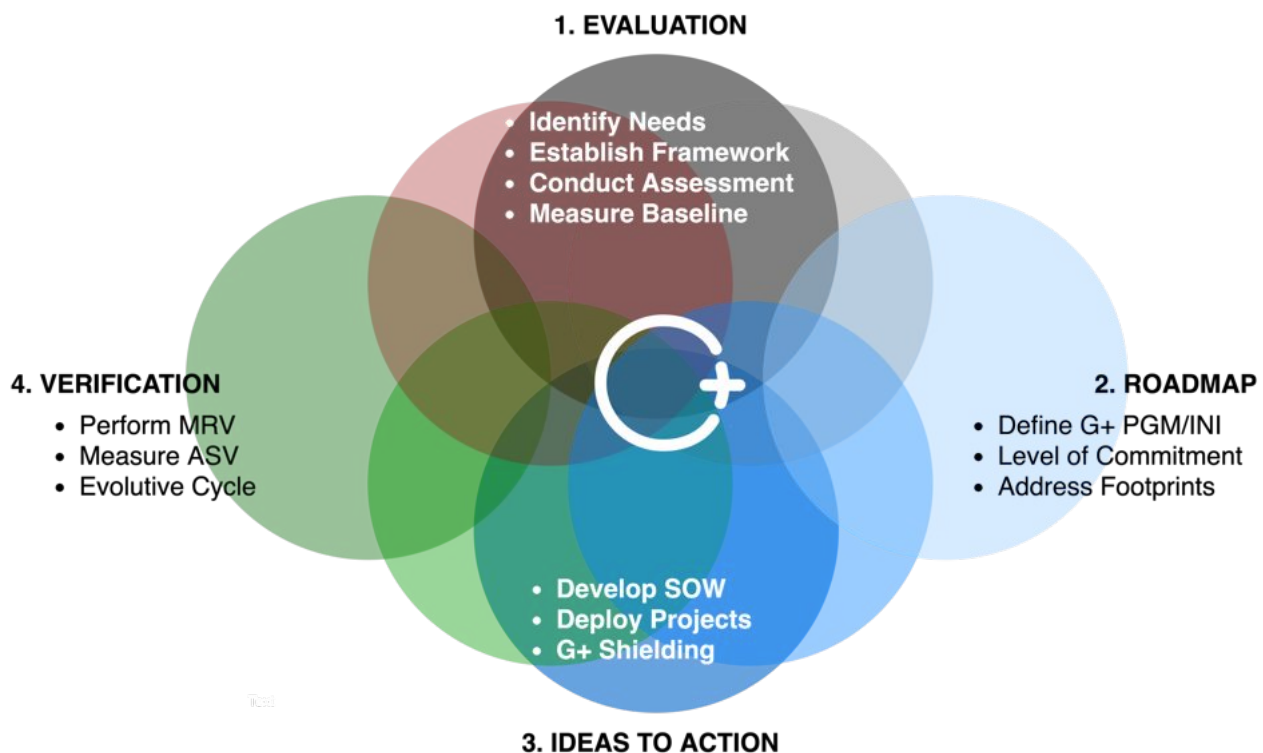
On the three key areas of Collaboration and Cooperation, Shared Value and Sustainability, CPSI supports each organisation on its path in addressing its current challenges with the creation of **sustainable customized solutions**, based on the commitment of all stakeholders, shared responsibility and the generation of sustainable added value.

- Collaboration and Cooperation: CPSI works closely to understand the needs and meet the objectives of the organisation.
- Shared value: CPSI should be beneficial to the organisation as well as to all stakeholders.
- Sustainability: CPSI is designed to be sustainable in the long term.

CPSI PROGRAMME: SUSTAINABLE INFRASTRUCTURE.

6. CPSI MILESTONES:

To achieve Sustainable Infrastructure and Climate Positive, CPSI proposes:



1. Evaluation: Current challenges and needs are identified through an evaluation that establishes a baseline for sustainability.
2. Roadmap: A clear approach to achieving sustainable infrastructure is developed, outlining specific actions and commitments based on sustainability criteria and environmental/social footprints. This includes adherence to standards, obtaining certifications for competitive advantage, and utilizing IoT devices for reliable data collection and progress tracking.
3. Ideas in Action: Each project and subprojects receives support to ensure it generates sustainable added value, including risk governance, technological assistance, and educational resources.
4. Verification: MRV (Measurement, Reporting, and Verification) is employed to assess the impact and added value of sustainability efforts, leading to international recognition. Criteria from CPSI are extrapolated to ESG/SDG for various stakeholders.

CPSI PROGRAMME: SUSTAINABLE INFRASTRUCTURE.

7. ROADMAP GUIDELINES BY SECTOR:

CPSI addresses each sector specifically, through the three key areas. It also raises the alliance between sectors, where each sector can benefit from working together within the framework of CPSI.

Scope	Public sector	Private sector	Alliance
Collaboration and Cooperation:			
Practices, Tools and Standards: Climate Change, Energy Transition, Water, Waste, Carbon Credits, Green Jobs, and Sustainability.	Y	Y	---
Volunteering, Commitment and Community Participation Programme.	---	Y	Y
Nationally Determined Contributions (NDCs) and National Adaptation Committees (NACs) Initiatives.	Y	---	---
Corporate Social Responsibility (CSR), Sustainable Development Goals (SDGs) Initiatives.	---	Y	---
ESG (Environmental, Social, and Governance) Reports.	---	Y	---
Shared value:			
Community Wellness and Environmental Resilience.	Y	---	---
Business benefits. Leadership and competitiveness.	---	Y	---
Risk Governance.	Y	Y	---
Management and Approach to Social and Environmental Footprints.	Y	Y	---
Institutional Capacity Building.	---	---	Y
Ecosystem for Growth and Development.	---	---	Y
Sustainability:			
G+UK Verification Shielded.	Y	Y	---
Open Innovation: Customized Solutions.	---	---	Y
Project Development and Reclamation: Carbon Credits (Nature-Based and Technology-Based Solutions), Biodiversity, and Ecosystem Services.	Y	Y	---
Green, Climate and Sustainability Funds.	Y	Y	---
Public-Private Dialogue.	---	---	Y

Y: YES.

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8. CPSI VERIFICATION:

Verification is an important component of CPSI, demonstrating commitment and compliance to sustainable infrastructure and C+.

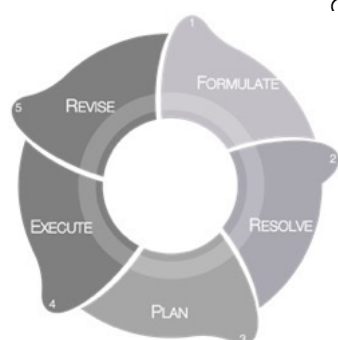
CPSI implements a three-tier verification system to assess progress in meeting objectives. The C+ Advisory Board is responsible for conducting independent reviews and verifications to ensure the transparency and fairness of the process.

Benefits:



- Provides leadership to the organisation and/or project in the sector and beyond, by clearly defining and documenting its sustainable, resilient, and equitable achievements.
- Encourages and rewards best practices, inclusive engagement, and sustainable performance to strengthen community trust, aligning with international goals.
- It allows demonstrating the compliance of the organisation and/or project beyond environmental, social and economic standards, avoiding environmental and social conflicts.

9. ASV METHODOLOGY:

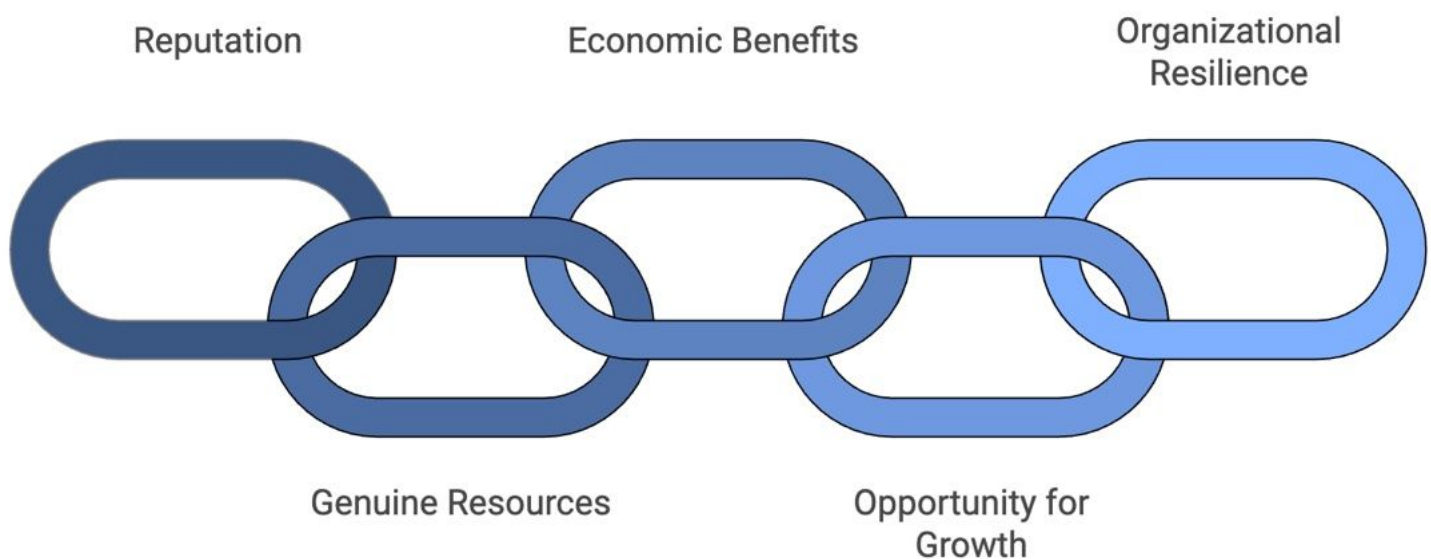


- G+UK has adopted the principle and methodology of "Adding Sustainable Value " (ASV) as a guide for its operations, promoting the collaborative associative approach to create and share value, generating benefits for all parties involved, ensuring the sustainability of the NGO and impartiality.

CPSI PROGRAMME: SUSTAINABLE INFRASTRUCTURE.

10. VIRTUOUS CIRCLE:

- CPSI is not just a programme, it is a model for addressing infrastructures developed by the third sector that also promotes alliances and two-way relationships, through a global vision.



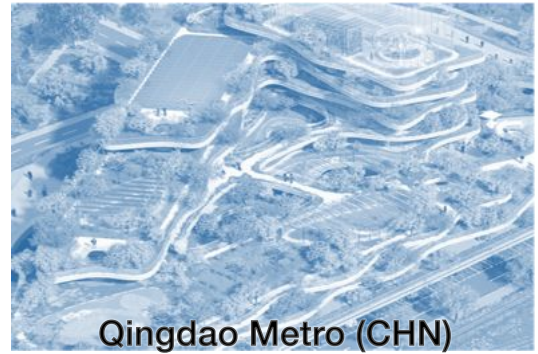
1. Reputation: CPSI through its international recognition, implementation of CSR, ESG, SDG, NDC programs, holistic, traceable and transparent impact metrics, and didactic arbitration improves the reputation of the organisation.
2. Genuine resources: CPSI allows access to environmental financial instruments, green, climate and sustainability funds, as well as allows. value Natural Capital, Nature and Ecosystem Services.
3. Economic benefits: CPSI generates cost savings, reduces risks and stakeholder pressures, and delivers organisational value.
4. Growth opportunity: CPSI propels the organisation into new markets. To innovation through Blockchain and Tokenomics model and supports through the Green Cross Global Network.
5. Organisational resilience: CPSI allows reducing the vulnerability of the organisation, generating adaptation and mitigation strategies, to achieve long-term viability.

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11. CASE STUDIES:



La Guardia (USA)
Sustainable Architecture.



Qingdao Metro (CHN)
Sustainable Transport.



Hidalgo State (MEX)
Energy Transition.



500 MW - Peak Shaving /
Load Shifting - (PER)
Energy Storage System



FDN (GTM)
Natural Capital Vaporisation.



IPSE (COL)
Micro redes híbridas.

ABOUT GREEN CROSS INTL.

- Green Cross is a Non-Governmental Organisation (NGO) founded by Nobel Peace Prize winner Mikhail Gorbachev in 1993. With more than 30 years of experience, operations or presence in six continents: Africa, America, Antarctica, Asia, Europe and Oceania.
- Green Cross has focused on promoting Sustainable Development through the planning and implementation of initiatives and programmes, cultivating a sense of global interdependence and shared responsibility.
- Green Cross is an Observer Organisation with consultative status with the United Nations, and as a non-profit NGO all our actions are planned and executed for the benefit of Communities and the Environment.
- As a member of the Climate Chain Coalition – an entity linked to the UNFCCC to promote Climate Action on blockchain-based financial platforms – Green Cross United Kingdom (G+UK) believes in circular economy models to provide the sustainability framework under a digital blockchain platform.



Mikhail S. Gorbachev
Founder President of GCI

¿WHO GREEN CROSS SERVES?

COMMUNITIES/PEOPLE

ENVIRONMENT/PLANET



PUBLIC SECTOR  **PRIVATE SECTOR**  **3RD SECTOR**



**LET'S DO SOMETHING AMAZING TOGETHER, STARTING BY STAYING
IN TOUCH:**

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Green Cross Intl. Network: We invite you to verify whether there is a Green Cross National Organization (GCNO) in your country. If one exists, we encourage you to contact them to express your interest in participating in this programme or initiative. Should G+UK identify a GCNO in the vicinity of an interested party, it will reach out to facilitate you a coordinated and joint response. You can find more information at <https://www.gcint.org/who-we-are#OurNetwork>