



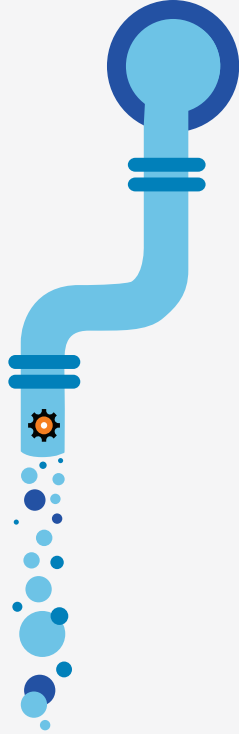
INDIA

2021

CLIMATE SOLVER

WWF's Climate Innovation Platform

Supported by WWF-Sweden



Background

Climate Solver is a climate innovations platform developed by WWF to strengthen the development and widespread use of low carbon technologies, which radically or transformatively reduce carbon dioxide emissions or provide energy access. The platform aims to stimulate the diffusion of innovative low carbon technologies and also generate awareness about them along with the overall value of innovation as an immediate and practical solution to climate change.

Climate Solver was launched by WWF-Sweden in 2008. It has now expanded to other countries including China and India.

Through Climate Solver, WWF-India will identify and highlight the problems, barriers and challenges faced at the crucial stage of research and development (R&D) as well as market uptake and exemplify other hindrances that prevent society from benefitting from low carbon technologies. We hope to attract the attention of specific stakeholders (such as entrepreneurs, investors and policymakers) who can be instrumental in improving the conditions and building up these enterprises' capacity of developing and promoting low carbon innovative technology.

WWF-India further seeks to scale-up climate innovation among SMEs by growing the pool of clean energy innovators through regional annual convenings, providing a select group of innovators with business and financial planning support, and developing a community of clean energy innovation practice that can be linked to regional, national, and international platforms.

Who are Climate Solvers?

Climate Solvers are small and medium-sized enterprises that are characterized as innovative firms with the potential to become leaders in India and the world in tackling climate change.

They are selected as Climate Solvers based on their development of cutting-edge technologies that contribute to reducing carbon emissions or enabling energy access through sustainable clean energy solutions. They have robust business plans for their proprietary technology and ambitions for large-scale deployment of their climate innovation, both nationally and globally.

Some of the benefits for Climate Solvers are:

- Increase the visibility and credibility of the company as a climate innovation leader
- Opportunities for networking and attracting support from potential partners
- Expand the outreach in the existing market space and improve business opportunities
- Enhanced exposure through films, hub, newsletters, e-updates and other communication tools

Climate Solver Partners

Climate Solver Partners are stakeholders like innovation incubators, industrial associations and business networks that help and support local small and medium sized enterprises in enhancing their climate innovation solutions.

WWF-India has the following Climate Solver partners:

- Confederation of Indian Industry (CII)
- National Innovation Foundation
- Centre for Innovation Incubation and Entrepreneurship (IIM Ahmedabad)
- Indian Angel Network



The Platform Process

- WWF and Climate Solver Partners identify potential Climate Solvers. WWF-India also directly reaches out to companies for nominations.
- Based on a WWF calculation methodology and evaluation, Climate Solvers are selected by an expert panel and awarded on an annual basis.
- In an effort to catalyze an enabling environment for climate innovations, WWF communicates the potential of awarded Climate Solver technologies as well as the problems faced by the low carbon innovative SMEs (visit www.climatesolver.org for details).
- WWF engages in further discussions with the Climate Solver Partners to identify the major challenges and suitable measures for promoting low carbon technologies and enabling energy access.
- WWF organizes regional networking events connecting local SMEs with other clean energy innovation ecosystem stakeholders.
- WWF in partnership with a leading incubator/ accelerator provides business development support and facilitates linkages to financial opportunities to select SMEs to ensure a clear pathway to maturity, scale, and financial stability. It aims to deepen the relationship between the Climate Solver platform and the investor community.*
- WWF uses various communications tools, including Climate Solver Hub to raise levels of engagements among key stakeholders and to increase the public profile of clean energy innovators.

*Subject to resource availability.



Climate Solver Awardees

2012

Theme: Energy Access

Smart Microgrid – Gram Power (India) Pvt. Ltd.

Paribesh Chula – Enfragy Solutions India Pvt. Ltd.

Theme: GHG Reduction

Air to Air Heat Exchanger for Cooling – Toro Cooling Systems Pvt. Ltd.

Geothermal Building Cooling Systems – Green India Building Systems and Services Pvt. Ltd. (GIBSS)

2013

Theme: Energy Access

Improved Biomass Cook Stoves – Envirofit India Pvt. Ltd.

Low Cost Smart AC Solar Micro Grid – Naturetech Infrastructure Ltd.

Theme: GHG Reduction

Decentralised Solar Thermal System for Industries – Aspiration Energy Pvt. Ltd.

ARUN® Dish: Fresnel Paraboloid Solar Concentrator System – Clique Developments Ltd.

E Grid: A Low-Cost, Scalable Platform and Analytics for Demand Side Management – Ecolibrium Energy Pvt. Ltd.

2014

Theme: Energy Access

Progressive Purchase: Pay-as-you-go Pricing Model – Simpa Energy India Pvt. Ltd.

Decentralised Energy Solutions for Underserved Households and Institutions – ONergy (Punam Energy Pvt. Ltd.)

Theme: GHG Reduction

BioUrja: Low Cost Dry Anaerobic Digester – GPS Renewables Pvt. Ltd.

PLUGnCHILL: Phase Change Material (PCM) based Thermal Energy Storage Technology (for mobile cold storage) – Thermal Energy Service Solutions Pvt. Ltd. (TESSOL)

2015

Theme: Energy Access

Prepaid DC micro grid (and USB stick based recharge) – BOOND Engineering & Development Pvt. Ltd.

Theme: GHG Reduction

Radiant Cooling Solution for Building Sector – Oorja Energy Engineering Services Pvt. Ltd.

2016

Theme: GHG Reduction

Renewable Energy - based Smart Micro-grid using DC Appliances – Basil Energetics Pvt. Ltd.

Gorilla Energy Efficient Ceiling Fans – Atomberg Technologies Pvt. Ltd.

2017

Theme: GHG Reduction

Carbonlites- Bottled Bio-CNG (by end to end organic waste management) – Carbon Masters India Pvt. Ltd.

Capturing Particulate Matter from Diesel Generators – Chakr Innovation Pvt. Ltd.

2018

Theme: GHG Reduction

HyPixi- Hybrid Retrofit System for Vehicles - Altigreen Propulsion Labs Pvt. Ltd.

Ricron Panels- Construction Panels using Waste Multilayer Plastics- Deeya Panel Products Pvt. Ltd.

Surface Water Velocity Driven Hydrokinetic Turbine - Maclec Technical Project Laboratory Pvt. Ltd.

2019

Theme: GHG Reduction

Carbon Cutter- Retrofit Device for Jaggery Units and DG Sets - Pi Green Innovations Pvt. Ltd.

Minion- Smart Meter - MinionLabs India Pvt. Ltd.

AI for Buildings to Reduce Power Consumption - PSSense Technologies Pvt. Ltd.

Smart Public EV Charging Ecosystem - Sharify Services Pvt. Ltd.

2020

Theme: GHG Reduction

Rapid Charging Battery Technology - Log 9 Materials Scientific Pvt. Ltd.

Sabjikothei : Microclimate Storage and Transportation Solution for Fruits and Vegetables - SaptKrishi Scientific Pvt. Ltd.

Innovative Solar Dryer cum Space Heating System - Neochlorus Energy Solutions Pvt. Ltd.

Hybridization of Freezers and Coolers with Thermal Energy Storage Materials- PLUSS® Advanced Technologies Pvt. Ltd.

CLIMATE SOLVER PARTNERS



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