

IFC TechEmerge Sustainable Cooling Innovation


The TechEmerge Sustainable Cooling Innovation Program matches companies worldwide with cost-effective, efficient, climate-smart cooling solutions with leading corporates in emerging markets to conduct pilot projects and build commercial partnerships.

This award-winning program from IFC, a member of the World Bank Group, offers selected pilot partners funding to field test sustainable cooling solutions on the ground in key sectors, as well as support to enter and grow their business in Africa, Latin America, and South Asia.

Ready to expand into new markets and tackle the biggest challenges in sustainable cooling?

GLOBAL CALL FOR INNOVATORS

APPLY BY MARCH 19, 2023

 www.techemerge.org/cooling



Team up with TechEmerge



Focus areas

TechEmerge pilot partners field test energy-efficient, cost-effective, climate-smart technologies, products, and services applicable in a wide range of sectors.



TRANSPORT & LOGISTICS

Agricultural produce, food & beverages, pharmaceuticals such as vaccines and medicines, and other products require temperature-controlled innovations for long haul, short haul, and last-mile transport and storage.



SPACE COOLING

Hotels, commercial and residential properties, shopping malls, public buildings, and other spaces need solutions that ensure comfortable working and living environments.



INDUSTRIAL/COMMERCIAL

Cooling innovations are needed for industrial facilities, equipment and processes, as well as the production, processing, and point-of-sale storage and display of foods, beverages, pharmaceuticals, and other temperature-sensitive goods.



COOLING ECOSYSTEM

Disruptive technologies, services, and business models such as thermal batteries, IoT, Cooling-as-a-Service (CaaS), and more enable and improve cooling across multiple sectors.

Benefits for participants

- + Innovators can access leading corporates in Latin America, Africa and India.
- + Adopters/companies who are potential buyers can field test cutting-edge cooling innovations that reduce energy use, lower operating costs and minimize greenhouse gases, before committing to buy.
- + Access to a total pool of USD 3.2mn in grant funding to support pilot projects.
- + Guidance from TechEmerge and our global network of industry advisors to develop pilot implementation and market entry strategies.
- + IFC support throughout field testing mitigates financial and operational risks for innovators, reduces adoption risks for local firms, and facilitates market entry and tech transfer.
- + Potential IFC investment for successful innovators with scalable solutions.



Why do we need sustainable cooling?

Cooling is essential for health, food security, and economic development. It is vital to produce energy, steel, fertilizer, and other key commodities. It protects children, the elderly, and the sick during heatwaves, and is key for safely delivering vaccines and perishable goods to markets.

Climate change, income growth, and urbanization are all increasing demand for cooling—especially in emerging markets. But cooling comes with a cost. It is a major contributor to climate change, producing seven percent of all greenhouse gas emissions worldwide. Cooling also consumes 10 percent of global energy, and if business as usual continues that amount will triple by 2050. The good news is that cooling innovation offers one of the most cost-effective ways to fight climate change.

Our unique six-step process

ASSESS

Leveraging IFC's +50 years of expertise, we identify innovation gaps in emerging markets, and work closely with local companies to understand the unique needs of potential adopters/buyers.

SOURCE

We launch an open call for innovators worldwide with locally relevant solutions to apply to join the program.

SELECT

With our expert advisors, we select high-performing innovators with technologies that can meet the needs of participating local adopters.

MATCH

Through a carefully curated process, we arrange events and meetings for the shortlisted innovators to meet top local companies demo their products, and discuss the potential to pilot projects together.

PILOT

With our support, selected innovators and participating organizations partner to field test technologies in a local setting.

SCALE

If the pilot is successful, the local company and innovator may decide to enter into a commercial contract. IFC also evaluates financing needs and may invest in companies to scale game-changing innovations.

FIND OUT MORE

 www.techemerge.org/cooling

#TechEmerge



This program is implemented in partnership with:



UK Government