Clean electricity new delhi



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The Clean Energy International Incubation Centre (CEIIC), which is Social Alpha"s Energy Lab, is a joint initiative of Tata Trusts and the Government of India supported by Department of Biotechnology, BIRAC, Tata Power and Tata Power - Delhi Distribution Limited. CEIIC has been set up for promoting innovations in the energy space and has become the first International Incubator in India under Mission Innovation.

The Incubator is designed to offer complete "lab to market" incubation support to clean energy enterprises, both Indian and International, which can bring about deep and irreversible social and environmental impact. CEIIC supports the incubatees by providing last-mile connectivity and end-use deployment of successful research outputs.

CEIIC focuses on three core areas for innovation - Energy Access, Energy Efficiency and Breakthrough Clean Technology. We believe that the convergence of these holds the potential to transform the way the world produces and consumes energy. We focus on proactive, curated and demand-driven tech scouting; to support incubation, investment decision-making and prioritize funding and resources where they are most needed and impactful.

We define "access to energy" as availability of clean (at the point of use), affordable and reliable energy (including both electricity and cooking energy) to underserved and unserved communities for used cases across sectors such as agriculture, infrastructure, household for meeting not just the basic energy needs, but also energy to power economic growth and development of infrastructural facilities in the communities.

Energy efficiency focuses on advancements in existing, mature & relatively proven technologies (e.g. combustion engines, appliances, panels, turbines etc.) in order to make them and the network / grid itself smarter, cleaner and more efficient. We have adopted a value chain approach to identify the most impactful intervention areas in the network / grid encompassing generation, transmission & distribution, storage and consumption. The impact of these technologies may be incremental or indirect in terms of livelihoods in the short run however smarter, efficient and cleaner energy networks will drive down energy costs over time and improve overall quality of life at a macro level.

Our objective is to support and build next generation of clean and renewable technologies, glimpses of which may be seen today in research papers, universities, labs and garage start-ups. We aim to identify cutting edge innovation and science & technology developments at a more nascent stage but which hold promise and potential to leapfrog, become mainstream and catalyse the global shift to affordable, clean energy backed by R& D and relevant resources.



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CEIIC identifies disruptive, innovative and impactful technology solutions in sustainable energy and incubates them from their lab to market journey. We look for innovators and entrepreneurs that can bring about irreversible social, economic and environmental impact across the entire value chain from energy generation and distribution to storage and consumption with a strong focus on affordability, accessibility and user experience and around a range of sectors and use cases, such as household to industry.

Irrigation | Implements Cold Chain | Waste to Energy

Waste Heat Recovery | Low-carbon Technologies | Cogen | Efficiency | Carbon Capture

Electric Vehicles | Clean Efficient Engines | Biofuels | EV Infractructure

Energy Efficiency | Cooling | Heating |Automation | Waste to Energy

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