Category: **Energy & Climate Tech**

NCF Green Energy

elevator pitch

Sustainable, smoke-free and energy-efficient heating solutions.

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Problem Statement

Thermal energy is the largest global energy use and CO2 contributor. While solar-thermal is sustainable, its low efficiency (50-65%), space demands, and lack of indigenization hinder wider adoption.

Product Innovation

Nano Carbon Florets (NCF) achieve 90% solar-thermal conversion, outperforming traditional absorbers in efficiency, stability, and scalability. NCF devices provide green heat from various light sources for applications like heating, salt production, and water purification.

Unique Proposition

NCF's high solar-to-heat conversion, 5-year stability, and versatile processing enable cost-effective solar-thermal devices, positioning it as a leader in sustainable thermal innovation.

Impact

NCF-based solutions help industries and homes cut energy use and carbon emissions. Field trials show five-times faster space heating with 20% less power, benefiting strategic and industrial sectors.

Roadmap

In the next 3-5 years, NCF plans to expand its product portfolio, boost production, and form global partnerships. NCF will scale its market-disrupting technology and introduce new innovations for sustainable heat delivery.

Products:
USHMA and URJA

Website:
https://ncflabs.com

Year of Incorporation:
2024

> NCF is dedicated to leading sustainable heating through pragmatic solar-thermal innovations, aiming to leave a safe, green planet for future generations.