

Plorix: Turning Plastic Waste into Clean Energy, Water, and Sustainable Fuel



Bengaluru, Karnataka Nov 6, 2025 ([Issuewire.com](https://www.issuewire.com)) - Plorix, a flagship brand of Terragreen Innovations LLP, is redefining sustainability by transforming plastic waste into clean energy, pure water, and sustainable fuel. Founded by a team of young innovators from Bengaluru, Plorix is pioneering India's transition toward a circular and zero-emission future.

At the heart of this innovation lies Plorix's waste-to-hydrogen and PEM fuel cell system, which converts everyday plastic waste into usable hydrogen energy while producing clean water as a byproduct. Complementing this breakthrough, Plorix has deployed smart Reverse Vending Machines (RVMs) that reward citizens for recycling, bridging the gap between people, technology, and environmental responsibility.

As a brand under Terragreen Innovations LLP, Plorix combines advanced R&D with community-centric solutions to tackle two of the world's biggest challenges — plastic pollution and clean energy scarcity. With over 1.5 tons of plastic already processed in pilot projects, Plorix is demonstrating that waste-to-energy innovation can be both sustainable and socially impactful.

"Plorix was born from the belief that waste is not a burden but a resource," said S N Komal, Co-Founder of Terragreen Innovations LLP. "By converting plastic into hydrogen energy and clean water, we're closing the loop on pollution while powering a greener future for all."

Key Highlights

- **Waste-to-Hydrogen Technology** – Converts plastic waste into fuel and water through zero-emission PEM fuel cells.
- **Smart Reverse Vending Machines (RVMs)** – Reward citizens for recycling via a tech-driven circular system.
- **Environmental Impact** – Over 1.5 tons of plastic processed in pilot projects.
- **Social Impact** – Empowering youth and women in green-tech innovation.

About Plorix

Plorix, a brand of Terragreen Innovations LLP, is an Indian cleantech startup pioneering the conversion of plastic waste into usable energy, clean water, and sustainable fuel. By merging science, sustainability, and social empowerment, Plorix envisions a future where waste becomes a valuable resource — leading India's journey toward green energy independence.

Learn more at: <https://www.terragreen.in> | <https://www.plorix.in>



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