

Nano + Energy + Green Technology

A deep-tech portfolio behind the finance — patented and in-development technologies across power, materials, water and waste.

Portfolio Snapshot

TECHNOLOGY	CATEGORY	STAGE / IP STATUS
Hybrid Power Generator + Green Hydrogen Electrolyser	Energy	Indian Patent granted Jan 2026, valid to 2041
Nano + Quantum Nano Materials Platform (44 products)	Nano Material	R&D → Pilot → Commercial scale-up
Green Stone Paper Manufacturing	Deep-Tech Material	Patented, exclusive tie-up; 2 plants in development
Waste-to-Wealth (MSW Valorisation)	Green Technology	Technology partnership — NOVE Energy Inc., Canada
Air-to-Water (AWG) + Carbon Capture	Deep-Tech Material	Patented; Pilot → Commercial
Green Bonds, Carbon & ESG Finance Structuring	Advisory Solution	Active advisory practice
GIFT IFSC Fund, FME & AIF Structuring	Advisory Solution	Active advisory practice
Cross-Border Supply Chain & Trade Finance	Advisory Solution	Commercial / operational (PrimusNet IFSC)

R&D & Validation

Green nano-synthesis and characterisation validated through MNIT Jaipur's Materials Research Centre (MRC) and IIT Gandhinagar's CRTDH facility. Plant-based, zero-toxic-solvent synthesis routes underpin the entire Nano Materials platform. The Hybrid Power Generator prototype is validated in India under Indian Patent protection.

Headline Impact Figures

54 MW HYBRID POWER ANCHOR PROJECT	44 NANO PRODUCTS IN PORTFOLIO	40M TREES SAVED/YR AT STONE PAPER SCALE	100k T STONE PAPER CAPACITY PER PLANT
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