

SBI Capex - List of innovations

Products	Description	Target Countries	India success story	Company	Contact Details
<p>In the areas of:</p> <ul style="list-style-type: none"> • Organic Waste • Plastic Waste • C&D Waste • Municipal Solid Waste • Bio Reclamation • Electronic Waste • Industrial Waste • Disaster Restoration & Disinfection Services 	<p>“YASASU GREEN”, a pre-fabricated, pre-engineered containerized solid waste processing solution which is based on the proven High Solid Thermophilic Bio methanation process.</p> <p>BioQUBEs are robust, modular small scale anaerobic digesters (biogas digesters) providing a compact solution to process smaller volumes of feedstocks and wastes on site</p> <p>EnergyBin uses two stage Laterally Stirred Tubular Reactor (LSTR) which helps in better digestion and circulation of the Slurry which ensures maximum volatile solids degradation</p>	<p>Switzerland, United Kingdom, Kenya, Singapore, Malaysia, Vietnam and Thailand</p>	<p>Zigma was founded in 2015 to address the challenges posed by legacy waste in India. Zigma Global Environ Solutions is the first entrant and only player in India to offer integrated landfill mining solutions to reclaim Municipal Solid Waste landfills. It was awarded the first bio-mining project in Kumbakonam.</p>	<ul style="list-style-type: none"> • BLUE PLANET YASASU SOLUTIONS PVT. LTD, India 	<p>Website: https://blueplanet.asia/</p> <p>Contact Name: Prashant Singh Contact Number: +91 98110 00665</p> <p>Email id: prashant@blue-planet.com</p>
<p>“Chakr Shield”</p>	<p>“Chakr Shield”</p> <ul style="list-style-type: none"> ▪ Innovated a new product “Chakr Shield” which is a retrofit emission 	<p>Germany, UK, Indonesia, China</p>	<p>350+ Chakr Shield units installed in India across 15-3000 kVA DG sets 80+ Clients across industries</p>	<p>CHAKR INNOVATION - Chakr Innovation is an innovation cleantech</p>	<p>Website: https://chakr.in/</p> <p>Contact Name: Kushagra Srivastava</p>

	control device that has the ability to reduce particulate matter (PM) emissions of a diesel generator (DG) set by over 70%		like Public Sector, Manufacturing, Infrastructure, Hospitality & IT 4000kg Particulate Matter emissions reduced Used in PSU & Defence, Hospitality, Manufacturing IT and others	focused startup founded by IIT Delhi graduates in 2017 to respond to the growing concern of air pollution in India	Contact Number: +91 88265 31013 Email id: kushagra@chakr.in
BIOURJA - ORGANIC WASTE TO BIOGAS	This technology converts organic waste to biogas through a flexible layout that allow plants to be setup in dead or nonrevenue generating spaces E.g.: Below solar installation at ITC Maurya, split system at ITC Maratha, around building corners at Infosys, Bangalore and on top of a functional STP at Taj Coromandel. By introducing a 2-stage process. The 1st stage acts like a 5-6 day buffer (Hydrolyzer), which can take in fluctuating waste loads.	Maldives, Sri Lanka (once economy picks up): Good local partner and a good plant in place, Bangladesh, UAE, Mauritius, Nigeria, South Africa, Zambia, Tanzania, Kenya, Uganda	Pioneered the concept of captive food waste to biogas plants for hotels. Today, almost every luxury hotel chain in South Asia is a GPSR customer including ITC, Oberoi, Taj, etc.	GPS RENEWABLES (GPSR) GPSR is a full-stack biofuels firm offering technology to project development solutions for bioCNG, Ethanol & Green H2	Website: https://gpsrenewables.com/ Contact Name: Rukmani Kapoor Contact Number: +91 74200 82555 Email id: rukmani@gpsrenewables.com

<p>Green Hydrogen</p>	<p>Develop and deploy scaled-up commercially attractive Green Hydrogen and derivative (e.g. Green Ammonia) production assets</p> <p>Green H2 supply custom designed for client's end use profile</p> <p>RE plant design based on cross-optimization across RE and Gas plant</p> <p>Real-time optimization and scheduling across RE plant and Gas plant</p>		<p>India's First 100% Green Hydrogen Plant by Hygenco</p> <ul style="list-style-type: none"> • State-of-the-art and fully autonomous green hydrogen pilot plant, powered by off-grid Solar situated at Ujjain • Commissioned on in April with 100kW capacity, it produces 20 NM3 per hour of 100% green hydrogen • Part of Hygenco R&D Center of Excellence Facility in hydrogen technologies 	<p>Hygenco- A Green Hydrogen pioneer Founded 2020 Supported by multilateral capital from SBICAP Neev Fund</p>	<p>Website: https://www.hygenco.in/</p> <p>Contact Name: Anshul Gupta Contact Number: +91 98758 18322</p> <p>Email Id: anshul@hygenco.in</p>
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