

India@2030: Scaling Good Growth

SHOWCASES AT THE MARKETPLACE

16 February 2024

Manekshaw Centre, New Delhi

OTHER PARTNERS



MEDIA PARTNER



THE MARKETPLACE AT EXCHANGE 2024

ABOUT THE MARKETPLACE

The Marketplace is a curated space to seed commercial solutions to human problems. It provides an opportunity for early-stage start-ups to showcase their innovations to 200+ global and Indian leaders from business, government and civil society.

THEMES

The Marketplace at the Exchange, presented by Hindalco in collaboration with Xyntheo, was curated around the theme - **India@2030: Innovations for Good Growth.**

We invited interested start-ups to showcase groundbreaking solutions and innovations across four themes, with specific areas of focus:

1. ENERGY AND DECARBONISATION

ALTERNATE FUELS | CLEAN MOBILITY
| ENERGY STORAGE SOLUTIONS

2. CIRCULARITY

PLASTICS AND PACKAGING | METALS AND MINERALS
| CONSTRUCTION WASTE

3. SUSTAINABLE LIVELIHOODS

INCLUSION | ACCESS TO FINANCE | MARKET LINKAGES

4. HEALTHCARE

HEALTH-TECH | CLIMATE AND HEALTH

SHOWCASES

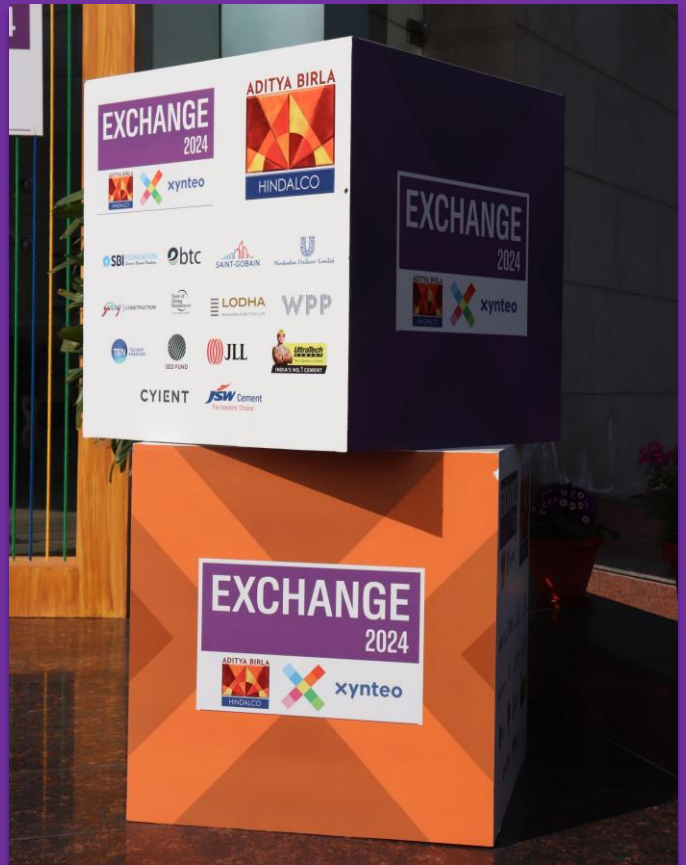
The Marketplace had two curated zones:

1. 25 innovations across identified themes from start-ups that are positively impacting people and planet
2. 3 partner zones highlighting cutting-edge innovations and our work at Xyntheo








DATE:
16 February, 2024

VENUE:
Manekshaw Centre,
New Delhi

GLIMPSES FROM THE MARKETPLACE



THEME: ENERGY TRANSITION AND DECARBONISATION

Name	Brief description about the start-up
 Carbon capture using bacteria	CarbonOne is a pioneering carbon capture and utilisation (CCU) technology that harnesses autotrophic bacteria to convert CO2 emissions into high-value by-products, offering industries a green alternative to reduce carbon footprints. <i>Know more about the company: https://www.calicheglobal.com/</i>
 Emission control device	Chakr is a clean-tech startup aiming to reduce air pollution using low-cost, cutting-edge material science technology, specifically geared towards air quality enhancement and environmental safeguarding, designed to reduce up to 70% of PM, Hydrocarbons and CO at the source. <i>Know more about the company: https://chakr.in/</i>
 Battery recycling solution	ACE Green Recycling is an innovative recycling platform providing sustainable, end-of-life solutions for batteries, using proprietary modular, zero emission and zero toxic discharge technology. <i>Know more about the company: https://www.acegreenrecycling.com/</i>
 Digital platform for biomass value chain	Clean Energy Trade is an innovative technology platform, utilising AI and satellite imagery to connect farmers, manufacturers and buyers across the biomass value chain to help reduce biomass waste and its use to produce biofuels and value-added products. <i>Know more about the company: www.CleanEnergyTrade.com</i>
 CO2 management technology	Incubated under IIT-Bombay, UrjanovaC offers sustainable and scalable CO2 management technology with a patented low-cost catalyst for the hard-to-abate and emission industries to minimise their carbon footprint, without compromising their production capacities. <i>Know more about the company: http://urjanovac.com/</i>
 Data analytics and marketplace for built environment	Smarter Dharma is a SaaS platform for real estate developments, design and engineering teams for decision making, construction and maintenance and helps reduce operational carbon and embodied carbon, along with access to marketplace for alternative building materials. <i>Know more about the company: https://www.smarterdharma.com/</i>
 Alternative building materials from bamboo and waste wood	BambooCrete develops alternative green building materials from Bamboo and waste wood as an alternative to brick masonry walls and concrete roofs, with high thermal insulation, fire and seismic resistance properties, with an aim to support in construction of carbon negative buildings. <i>Know more about the company: https://bamboocrete.com/</i>

GLIMPSES FROM ENERGY TRANSITION AND DECARBONISATION SHOWCASE



THEME: HEALTHCARE

EXCHANGE
2024



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Name

Brief description about the start-up

Swaasa®

AI powered diagnostics for
respiratory diseases

Swaasa® - by Salcit Technologies, aims at providing respiratory healthcare unbounded by location, time, equipment, and technicians. It brings in the functionality of spirometry using audiometric analysis of cough sounds to identify the risk levels.

Know more about the company: <https://salcit.in/>

qure.ai

Artificial Intelligence for
accelerated healthcare

Qure.ai is an artificial-intelligence driven diagnostics company on a mission to provide accessible, affordable, and timely assistance to healthcare professionals, leveraging the power of machine learning to improve medical diagnoses.

Know more about the company: <https://www.qure.ai/>

BRIOTA

Point of care respiratory
diagnostics

Briota is a for profit impact start-up on a global mission to complete 100 million lung screenings, using innovative and economical point of care respiratory diagnostics for screening and diagnosis of CRDs (Chronic Respiratory Diseases) such as asthma, COPD and post TB lung impairment.

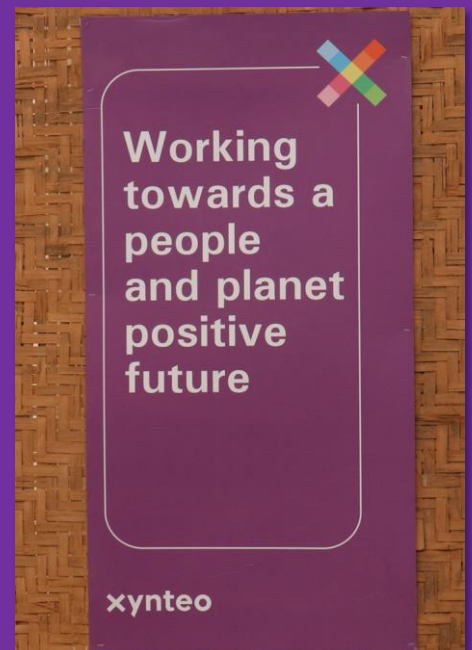
Know more about the company: <https://www.briota.co/>

mobilab™
By Primary Healthtech

Portable diagnostics





Mobilab works with the vision to make next-gen diagnostics affordable, accessible and digitally connected for all, using cost-effective, portable and user-friendly point of care diagnostic device and mobile application built using advanced software and analytical tools.

Know more about the company: <https://www.mobilabs.in/>



THEME: SUSTAINABLE LIVELIHOODS



Name	Brief description about the start-up
 JALODBUST™ ERADICATING MANUAL SCAVENGING BY TECHNOLOGY Automatic sludge scavenger systems	<p>Sani-preneur, by Jalodbust, is a livelihood-oriented techno-economical system providing a vehicle mounted with electro-mechanical system and sealed sludge transportation tank, solving the challenge of manual scavenging and creating sanitation micro-entrepreneurs. The system also enables to convert sludge into slurry using a micro-processor, generating organic manure.</p> <p>Know more about the company: https://jalodbust.in/</p>
 anaxe.ee Outreach and data collection platform	<p>Anaxee Digital Runners is a digital outreach and data collection platform to enable data intelligence for last mile reach to power companies and business growth across rural and urban areas, with 40,000+ digital runners spread across 540 districts in India.</p> <p>Know more about the company: https://anaxee.com/</p>
 Resham Sutra Solar powered looms for rural livelihoods	<p>Resham Sutra is a social enterprise with a vision to empower rural artisans with solar-powered sustainable innovations and enabling the ecosystem through Rural Experience Centres.</p> <p>Know more about the company: https://www.reshamsutra.com/</p>
 NatureDots® नेचरडॉट्स AI for aquaculture food-systems	<p>Nature Dots combines natural science and DeepTech tools using AI and data analytics for a climate resilient nature-positive economy, using AquaNurch® system that helps in transformation, restoration and protection of aquaculture-based food-systems.</p> <p>Know more about the company: https://naturedots.com/</p>



THEME: CIRCULARITY

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2024



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Name

Brief description about the start-up



Bricks from plastic and industrial waste

Angirus produces sustainable damp-proof building materials and bricks manufactured from single use plastic waste and construction waste to support green buildings and reduce embodied carbon emissions.

Know more about the company: <https://www.angirusind.com/>



Sustainable packaging using 3D technology

EcoCushion Paper is one of the first Indian manufacturers of eco-friendly, paper-based protective packaging solutions, with innovative 3D cushioning technology for protection as an alternative to plastic bubble wraps.

Know more about the company: <https://www.ecocushionpaper.com/>



Terra Bioware

Bio-polymers for packaging

Terra Bioware is a deep tech company using patented fermented technology to grow micro-organisms for producing bio-polymers, with a mission to reduce single use plastics in the packaging industry.

Know more about the company: <http://terrabioware.co>



Compostable cutlery solutions

Meraki uses innovative, patent pending, pulping technology to process agricultural waste into marketable and compostable packaging and cutlery products.

Know more about the company: <http://www.merakieco.com/>



Name	Brief description about the start-up
 <p>Rainwater based Gin</p>	<p>Cherrapunji Eastern Craft Gin is a sustainable alcoholic beverage made from rainwater and native botanicals and packaged in recyclable stainless steel bottles.</p> <p>Know more about the company: https://www.raincheck.earth/</p>
 <p>Agro Composites</p> <p>Lifestyle products using forest waste</p>	<p>Vasschin, an environmental engineering company committed to create sustainable lifestyle products using pine needle waste from Himalayas to help prevent forest fires and promote livelihoods.</p> <p>Know more about the company: https://agrocomposites.com/</p>
 <p>Automated Hygiene Management System</p>	<p>PadCare is an automated hygiene management system, completing the loop of menstrual hygiene economy by generating harmless, recyclable output from used sanitary napkins, recycled into pulp and plastic which can be utilised in packaging, chemical and agri industries.</p> <p>Know more about the company: https://www.padcarelabs.com/</p>
 <p>TGP BIOPLASTICS</p> <p>Packaging for Sustainable Future Bioplastic grade granules</p>	<p>TGP Bioplastics is a B2B plastic granules manufacturing company, developed an indigenous and commercially viable biodegradable plastic grade for packaging made from corn starch.</p> <p>Know more about the company: https://www.tgpbio.com/</p>
 <p>Plastic pyrolysis</p>	<p>APChemi is a leading technology company with a mission to accelerate transition towards sustainable plastic recycling using advanced pyrolysis technologies converting mixed and end-of-life plastic waste into feedstock to produce sustainable chemicals, circular plastics and hydrogen.</p> <p>Know more about the company: https://www.apchemi.com/</p>
 <p>Sustainable packaging material using agriculture waste</p>	<p>Biolutions is a pioneer in dry moulding production technology to create affordable and scalable sustainable packaging and disposable tableware solutions made from agricultural residues, aiming to eliminate single-use plastics.</p> <p>Know more about the company: https://www.bio-lutions.com/</p>

GLIMPSES FROM CIRCULARITY SHOWCASE



ULTRATECH AT THE MARKETPLACE

As a Supporter of the Exchange by Xynteo, UltraTech showcased its wide array of green products, materials, and technologies offering a comprehensive glimpse into their commitment to sustainability. UltraTech Cement's stall was meticulously designed to convey its dedication to green practices and technologies through a captivating storytelling walkthrough:

- **Green Pro Certification Showcase:** the stall's entry point spotlighted the Green Pro Certificate awarded to three RMC plants by CII and the Indian Green Building Council (IGBC)
- **Demonstrating Green Homes:** in collaborating with IGBC, UltraTech showcased the concept of Green Homes through the Utec App, animated videos, and immersive VR experiences
- **Greenvantage by UltraTech:** an audio-visual presentation highlighted UltraTech's sustainability initiatives and expertise
- **Live Demonstrations of Green Pro Certified Products:** displayed prototypes of IGBC-certified products from RMC and BPD (Building Products Division)

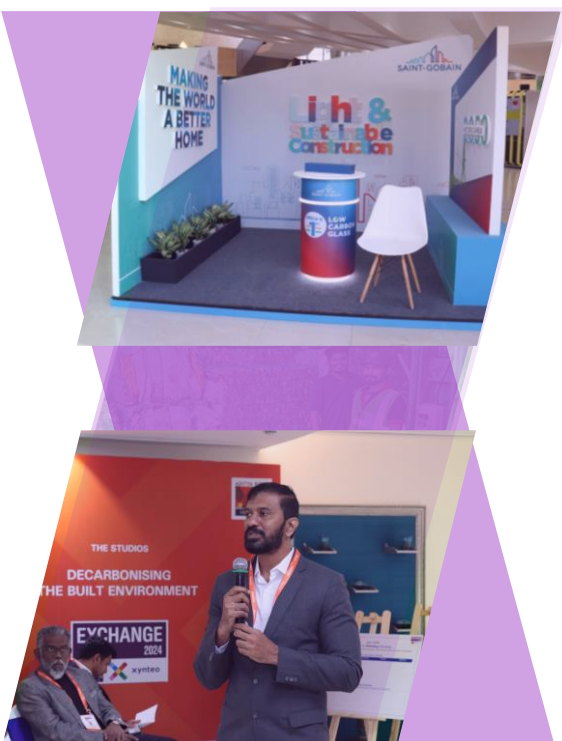


SAINT-GOBAIN AT THE MARKETPLACE

At the Exchange 2024, Saint-Gobain India showcased its latest innovation: the first production of low-carbon glass in India. This product underscores the company's commitment to sustainability and its dedication to revolutionizing the construction industry.

With an estimated 40% reduction in carbon footprint compared to existing glass products, this low-carbon glass represents a significant step towards achieving India's ambitious goal of Net Zero emissions by 2070.

By incorporating 2/3rd recycled content and utilising renewable energy sources in its production process, the product exemplifies Saint-Gobain's ethos of Making the World a Better Home and sets a new standard for environmentally responsible building materials.



ENERGY LEAP AT THE MARKETPLACE

Energy Leap is an end-to-end clean hydrogen technology and business accelerator, powered by Xynteo, forging collaborations between industry, start-up and investors to accelerate and commercialise game-changing hydrogen innovation across the value chain in India and globally.



AMBITION OF THE PROGRAMME

1. Catalyse ~50 startups in the next 5 years, addressing the needs of technology commercialisation
2. Help start-ups and industries establish pilot opportunities, and demonstrate various use-cases for clean hydrogen

Energy Leap is building a pipeline of clean hydrogen innovations across the value chain and has over 80+ innovations identified from India and around the world since its launch in June 2023. At the Exchange, Energy Leap showcased some of the innovations from its network to interact with business leaders and participants.



Produces on-site, on-demand green hydrogen from waste carbon in industrial effluents using bioreactors



High-performance, cost-effective AEM electrolyser utilising advanced nano-engineered materials for producing green hydrogen



Produces bio-hydrogen via fermentation process, using diverse organic residual waste

EASE OF DOING BUSINESS AT THE MARKETPLACE



EaseOfDoingBusiness.in is a programme of Advance Services for Social and Administrative Reforms, delivering pilot for commercialisation of 18 advance technologies such as AI, IoT, Block Chain, Electric Mobility amongst other.

The team showcased at Marketplace a miniature model of the 3rd generation green charging station, part of the National Highways for Electric Vehicles, first intercity e-mobility pilot programme under Transformative Mobility and Battery Storage Mission.



EXCHANGE

2024



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Find out more at xynteo.com

Contact us at exchange@xynteo.com



LONDON

17-18 Britton Street,
London, EC1M 5NZ,
United Kingdom

MUMBAI

WeWork, C-20, G Block,
Bandra Kurla Complex,
Bandra East Mumbai,
Maharashtra 400051, India

GURUGRAM

The Executive Center,
Level 6, DLF Down Town,
Block - II, DLF City Phase III, Sector 25 A,
Gurugram, 122002. India