

# 7.4.5 a - Start-ups that foster and support a low-carbon economy/ Technology (Startups in Carbon Technology)



### Startups in Carbon technology

#### 1. Impensus Electronics Pvt. Ltd.

By 2050, world needs 2x more food than today.

Impensus provides solutions to tackle the 2 key problems -

- Lack of efficient cultivation technology
- Lack of efficient storage solutions

Impensus plays a key role in providing solutions from the farm to the fork. With our expertise in cold store automation user can increase the shelf life of the commodity by 1.5 to 2 times and with our protected environment solutions user can grow pesticide free crop with better nutrition value all-round the year. Our smart system with integrated IoT modules helps user to monitor

## **Automated Mushroom Cultivation in CIIC**



and control the parameters that helps to provide right ambience for growing and storing.



Their IoT integrated smart solutions monitor and control the parameters to give the right ambiance for growing and storing

Impensus Electronics Pvt Ltd has been selected as winner of Facility for low carbon technology deployment (FLCTD) Innovation challenge 2020 under space conditioning category. The startup will be funded by UNIDO www.unido.org , a grant of Rs.25 lakhs, to demonstrate their technologies used in the cold storages at various sites in India. After successful demonstration UNIDO along with CII will validate this technology and provide support for further development.





#### 2. Kankyo Group of Companies

Kankyo Group has broad experience in Design, Engineering, Procurement and Construction of waste to-energy plants, solid waste treatment, bioremediation, wastewater and water treatment facilities. We provide all technical and management skills required to complete a project successfully. We operate as a full turnkey EPC contractor according to Global Standards. We offer far reaching solutions that extend possibilities beyond industry -norms in providing material value in terms of both financial and technological long term sustainable benefits.

KANKYO's lake/river restoration treatment using Mira Carbon- A novel Japanese Technology. Mira Carbon's Carbon Fiber is a fibrous carbon substance having a fine graphite crystal structure which is manufactured by carbonizing acryl fibers by a special heat treatment process. Carbon Fiber is generally said to be a light, strong, corrosion resistant advanced functional material. It is used as a water purification material, when it comes in contact with surface of water the fibers expand. Active biofilm is formed by high bioaffinity of carbon Fiber and its microorganisms decompose the contaminants.





#### 3. Aatrel Pvt Ltd.

The vision of ATRAL is to create a green renewable energy society and also to create an ecological systematical world.

Our mission is to create a pollution-free universe healthy livable community and an essential ecosystem to preserve life on the planet and regulate climate.

During Global warming, AATREL is now working to reduce carbon dioxide (CO2) Emission to create a Renewable energies. Working Currently on Technology in Biogas & Algae

Even though, Biogas and Algae technologies are not efficient in the green energy Industry. But, in our AATREL'S MISSION A1. We are connecting both the technologies in a unique way to get efficient renewable energy. Simultaneously we can do Carbon Trading Revenue through this process. The Technology is called Algae Scrubber.



# Pod No: 25-354, 25-355, 25-356, 25-357

# **CRESCENT INNOVATION & INCUBATION COUNCIL**



# 91 Startup Compendium



**EU - INDIA INNOVATION PARTNERSHIP** 

European Commission has recognized CIIC as an India Incubation Partner



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# Start-up Infographics





working in the field of biotech & IT with the use of data science to analyze patients disease at the molecular level to address them with right treatment



Developing product called

"GroTron® is a "360° Autonomous

Precision Farming Platform" that

encompasses all facets of Agriculture

BIOSOLUTIONS

Development of super hydrophobic

antimicrobial and reusable gloves

iGN Biotech Pvt Ltd

Redefining your health through

geneticsand cell therapy based

technologies which holds the

potential to revolutionize

medical therapeutics

Developing efficient high quality,

eco-friendly cleaning products which

helps in elimination of indoor

pollution

OMGL

Developing advanced, premium and

indigenous protein and meal

replacement products from plant and

dairy sources for medical, fitness and

health purposes

REYNLAB TECHNOLOGIES INDIA PVT LTD

Digital Twins based Ed-Tech platform

to deliver experience based &

immersiveskill development programs

Shri Meenakshi Associate

Providing eco friendly false ceiling

in weather fabrics to control the

weather conditions effectively

British Clean

UN SDG : 2.12

UN SDG : 3

UN SDG : 3

UN SDG : 6

**UN SDG : 2.3** 

UN SDG : 4

UN SDG : 3

using AI/ML/IoT



#### **GRITTER SOLUTIONS PVT LTD**

Developing AI based gamified & targeted indoor vehicle advertising solutions for MSME's UN SDG : 9



Providing business intelligence & Data Analytics consulting services, software solutions, products & training

UN SDG : 9



Focusing on transforming offline and online businesses to achieve their full potentialin their digital space with the help of technology and services

UN SDG : 9



MirrAR platform simplifies the process of creating, sharing and exploring AR, VR, MR & 3D experiences without writing any code that works on any device in just few min to enhance better sales & customer experience





Developing cost-effective field based kits and devices for the rapid diagnosis of infectious diseases through innovative technologies at affordable price

#### UN SDG : 3



Developing herbal products that are suitable for nutraceutical, pharmaceutical & cosmeceutical application UN SDG : 3



Focusing on Molecular Biology & Cytogenetics based research and services

UN SDG : 3



Providing technologically driven IOT based products and solutions for post – harvest management and protected environment farming

techniques UN SDG : 2,12,13



Developing cutting edge biomedical instruments for Stem cell therapeutics and drug screening applications

UN SDG : 3

# Optimists

Providing an online platform and fingerprick blood testing services enabling the monitoring of ones health from the comfort their homes

UN SDG : 3



Developing innovative drug discovery and synthetic organic chemistry solutions to pharma and life sciences industries for disease indication in oncology





Making Aquaculture sustainable through parameter monitoring and resource optimisation reducing mortality rates and yielding export quality shrimps

UN SDG : 14



Providing solutions in the field of mechanical, electronics, IOT and automation space through strategic tie-ups & joint ventures

UN SDG : 9



Innovated, Developed & Patented high dietary fibre, high protein, Low GI white polished "Village Rice"

UN SDG : 2,3,12



# CHAMBER PVT LTD

Redefining healthcare by building smart hospital infrastucture with IoT & AI /ML engine

UN SDG : 3



#### KARDLE INDUSTRIES PVT.LTD

Developing NextGen Bioprocess and Air Process Sysytems UN SDG : 9



Mark Application Engineering Labs offers smart new product development possibilities by considering latest and advanced components and surface treatment technologies UN SDG : 9



Developing indigenous functionalized magnetic beads for extraction & purification of biomolecules for industrial applications UN SDG : 3



Developing enzyme based cocktail with depolymerization for degradation of multiple polymers

UN SDG : 9,13



Mobile based E-Commerce platform for clothing & accessories rentals with styling tips



Democratizing fashion and making high end fashion affordable for masses

UN SDG : 10 12





Developing patented methanol gasification tehnology that transforms a carbon based material into synthesis gas (Syngas) UN SDG : 7



Edutech platform which engages students to do research in the field of Robotics, drones, aeromodelling, 3D printing & IOT

UN SDG : 4.9





Providing solutions like drug formulation, repurposing of potential drug candidate & drug screening based on the customer needs UN SDG: 9

N A N O M I X To improve your quality

Development of Nanoparticle rubber mix to improve tire durability, increase life cycle twice & decrease waste generation

UN SDG . 7



Developing electric vehicles with

better convergence of performance,

efficiency and battery power compared

to traditional IC engine bikes

UN SDG . 7



Kankvo Cleantech LLP

Providing solutions for solid waste management, waste to energy, bioremediation & air pollution control

UN SDG : 7



Rekindle Automations is a Healthcare based startup with the vision to Increase Safety of The Patients by Making the Hospitals more Intelligent

Development of Humanoid robots

to help retail business through

face recognition, intelligent

communication, customer feedback,

sales & marketing support

Nano

Development of Nanoemulsion

mechanism which is unique

disinfectant which fights rice

fungal pathogens

UN SDG : 3

UN SDG : 9

UN SDG : 3



Colloborating Innovative Science & Technology to address some of the socities most challenging healthcare issues to improve and extend peoples lives

UN SDG : 3



An environmental technology and EPC firm, providing turnkey solutions in water & waste water treatment

UN SDG : 7



KRISHNA WATER HEATER SOLUTIONS

Heat Water, Instantly, Effortlessly with minimal Energy

UN SDG : 6



Providing a low cost, high precision, data driven IOT based water management solution that solves the impending water crisis by reducing water consumption.

UN SDG : 6,7



Developing technology and processed based on the microalgal biomass & products through NanoBiotechnology protocols

UN SDG : 2,12



Providing solutions for buildings that require repair and rehabilitation to enhance the service life of the building

UN SDG : 9,11



Providing solutions for farmers to use technology driven methods to increase productivity of crops

UN SDG : 2.3



manufactures educational robotic kits and components and aims to reconstruct the academic approach towards robotics and Automation

UN SDG : 4



Offers customized Biogas solutions for a range of application UN SDG : 7



Developing eco-centric AI-IoT integrated smart alert indoor air quality monitor &advanced anti-microbial nanoparticulate carbon-metallic ion six stage purifier with photocatalytic oxidation technology

UN SDG: 3



60Plus India, is an online platform where children living away from their parents can book services and buy products for their senior citizen parents

UN SDG : 3



Providing solutions for drone technology by creating a network of UAVs that can be established at hotspots that can be destined location automatically

UN SDG : 9



Mobile based application that enhances the google maps navigation system more accurately by using the 8 digit alphanumeric code UN SDG : 9



# Partners

