

SUCCESS STORIES OF STARTUPS

RKVY RAFTAAR – ARISE and UPJA

Compositech Greensol Private Limited

Founder: Manish Kumar Lila & Mitali Agarwal

Focus Area: Waste to Wealth & Green Energy in Agriculture

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Location: Dehradun, Uttarakhand, India

Year of Startup Incorporation: 2022



PROBLEM STATEMENT:

- Increase in plastic consumption (per capita) together with demand and supply gap of plastic.
- High cost of recycling leading to Land, Air and Water pollution. Less than 15% plastic waste get recycled.
- Improper crop residue and agro industry waste disposal leading to waste burning.

SOLUTION OFFERED:

- At Compositech Greensol, the startup is dedicated to creating sustainable solutions to replace plastic.
- Natural Fiber Reinforced Polymer Granules are made from renewable sources and are fully recyclable.
- The startup is committed to reducing the environmental impact on plastic and providing innovative alternatives for a more sustainable future.
- Cellulosic fibre is extracted and treated physically and chemically to get the desired form.
- These fibres are reinforced in virgin PP/ PE with extruder to make new composite granules.



PRODUCT USP:

- Out product is partially biodegradable (upto 50%)
- Low cost and Manufacturing waste is 7 times recyclable without adding virgin material.
- Infused natural fibre with polymeric materials.
- Cost equal to virgin polymer.
- Customized according to the product requirement together with flexural strength better as compared to virgin thermoplastic.
- Processing parameters may change but not machinery.



SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACT:

- By reducing the carbon footprint and embracing renewable resources, our innovative approach drives a greener future.
- This is a green initiative which will help in employment generation, effective use of natural resources and pollution reduction.
- With a commitment to sustainability, offer eco-friendly solutions that boast exceptional strength, durability, and performance.



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Biodegradable material

* as provided by the startup [Data Year 2023-2024]



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Reducing the carbon footprint