

SUCCESS STORIES OF STARTUPS

RKVY RAFTAAR – ARISE and UPJA

Biofound Biotech

Founders: Aditya Nitin Joshi & Arsh Shrikant Chavan

Focus Area: Waste to Wealth & Green Energy in Agriculture

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Location: Pune, Maharashtra, India

Year of Startup Incorporation: 2022

BIOFOUND.

PROBLEM STATEMENT:

- There has not been significant work when it comes to strain engineering for improving the yield of ethanol.
- Therefore, improving the ethanol yield from sugarcane molasses within existing infrastructure will help in achieving ethanol blending target.

SOLUTION OFFERED

- Gene editing and metabolic engineering optimizes the metabolism of the organism.
- Thereby reducing the biproduct and improving the required ethanol yield



PRODUCT USP:

- Improves the ethanol yield in the same feedstock.
- Directly improving bottom line adding to the profit of the ethanol plant.

SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACT:

- Increase ethanol yield and bring down dependence on oil.
- Help in governments vision of ethanol blending.
- Improving the yield from ethanol means farmers can get higher money for their produce.



* Improving industrial bioethanol production



* Achieving 20% ethanol blending rate

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