

SUCCESS STORIES OF STARTUPS

Under RKVY RAFTAAR Scheme

A2P Energy Solution Private Limited

Founder: Sukhmeet Singh

Focus Area: Waste to Wealth & Green Energy in Agriculture

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Foundation Year: 2018

Location: Chandigarh

Incubated in: 2020 at IARI



The startup A2P Energy Solution is using paddy straw waste and converting it into biofuels such as energy pellets, green coal, and bio-oil. It locates waste biomass using a tracking system powered by artificial intelligence (AI) and collaborates with farmers for its collection, giving them a second source of income. In Haryana, the startup has prevented the burning of 7,500 acres.

This is a cleaner and cheaper fuel, consisting of 60%–70% less moisture content compared to conventional fuel like wood. The energy pellets can replace the use of fossil fuels like coal and don't release harmful SOX and NOX.

The startup is working to enhance rural economies by providing farmers with an alternate income source through the conversion of paddy straw waste into biofuels. This not only curtails traditional burning practices but also improves air quality and health.



 * 07 Products
in Market

 * 7500 acres saved
from Burning

 * 1000+ Farmers
Benefitted

 * Rs. 607 Lakh
Revenue

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