

SUCCESS STORIES OF STARTUPS

RKVY RAFTAAR – ARISE and UPJA

Agsmartic Technologies Pvt. Ltd.

Founder: Abhishek Sinha

Focus Area: Precision Agriculture including applications of Sensors, WSN, ICT, AI, IoT & Drones

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Foundation Year: 2017

Location: Uttar Pradesh



PROBLEM STATEMENT

Farmers in India face water scarcity, inefficient irrigation, and limited access to technology, leading to suboptimal crop yield. A systematic, affordable and scalable technology is required to optimize water management, provide crop-specific advisories, and address localized pest and disease threats with wide-spread adoption.

SOLUTION OFFERED

Agsmartic precision focused technology provides data-centric solutions to farmers. Croplytics, our ecosystem provides AI based irrigation system, advisories on best practices, pest detection, etc. Our product help farmers improve their crop yield by managing water, diseases and pests. Autonomous Irrigation System uses data to identify when and how much to irrigate. The Health Analyzer system helps identifying diseases and pests.

PRODUCT USP

- Precise water management, crop-specific advisories, and localized pest and disease detection
- Addresses the specific challenges faced by farmers, ensuring optimal crop yield

SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACT

The AI-based agricultural system has profound social impact by empowering Indian farmers, especially the marginalized, with advanced technology, improving their livelihoods. Economically, it enhances crop yield and income, contributing to rural prosperity. Environmentally, it promotes sustainable farming practices, optimizing water use and reducing the reliance on chemical interventions, thus fostering ecological balance and resilience in agriculture.



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500+ Farmers
Benefitted



*
Field Trails
Done



*
02 Products
in Market



*
Presence
in 2 states

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