

# SUCCESS STORIES OF STARTUPS

RKVY RAFTAAR – ARISE and UPJA

## Predator Ind LLP

**Founder:** Mr. Ajit B. Kharjul

**Focus Area:** Farm Mechanization

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**Foundation Year:** 2019

**Location:** Maharashtra



### PROBLEM STATEMENT

Difficulty of spraying in orchards during rains and in muddy terrains, making it a drudgery prone and hazardous tasks.

### SOLUTION OFFERED

The startup has developed a battery-operated predator (mini-tank) robot to spray chemicals for crops having low canopy which is contactless and can work in marshy and swamp land thus addressing labour shortage issue.

### PRODUCT USP

- Suitable in muddy and rainy terrain conditions.
- Autonomous spraying machine without any human contact.
- Good coverage and deposition in low level of water.
- Capability to spray chemicals underneath the orchard trees with low canopy even through vegetables gardens.

### SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACT

By automating chemical spraying in low-canopy crops, the technology reduces the need for manual labor in challenging agricultural environments, addressing labor shortages, reducing the physical strain on workers and their exposure to potentially harmful chemicals. The robotic spraying technology can ensure more precise and consistent chemical application, potentially leading to increased crop yields and better-quality produce. Precise and targeted chemical application can lead to a reduction in the overall use of pesticides and herbicides, minimizing the environmental impact of agriculture.



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20+ Paid Customers



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100+ Farmers Benefitted

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