

## THE PROBLEMS

Challenges faced by SMF community



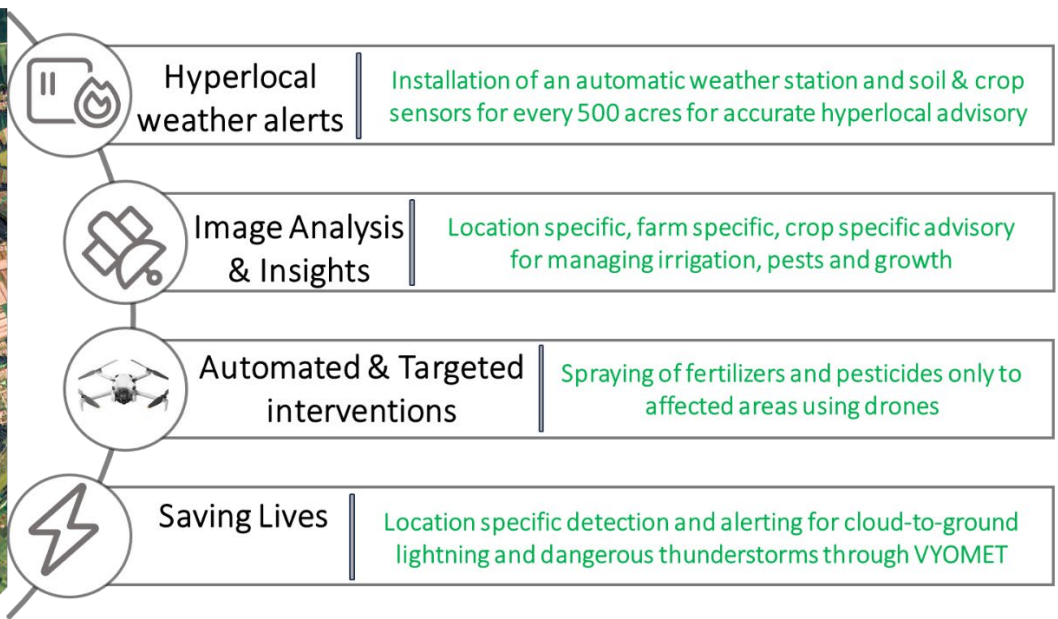
- 1 — **Environmental Challenges**  
Erratic and & weather conditions combined with lack of accurate hyperlocal weather forecasts increase crop failure
- 2 — **Precision farming is not affordable**  
80% of Indian farmers, who belong to SMF community, cannot afford technology that enables precision farming
- 3 — **Labour shortages**  
Rising trend of urbanization leads to severe shortage of labour for spraying fertilizers & pesticides increasing crop failure
- 4 — **Majority of Lightning deaths are of farmers**  
Lightning kills more people than any other natural calamity – most are from SMF community

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## THE SOLUTION

**STAGE (SMART TECH-BASED AGRI ENABLER)**

*End-to-End Solution: Seeding to Harvest*



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SMF Community adopting STAGE does not pay anything until the value and impact are experienced.

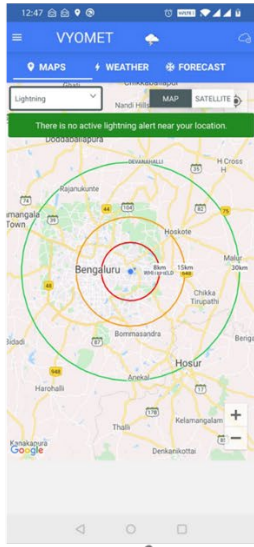
# USER EXPERIENCE

STAGE encompasses all alerts and advisory based on Weather Station & other IOT sensors, satellite imagery and drone imagery. VYOMET, the lightning alerting app can be offered as a stand-alone app.

## STAGE & VYOMET



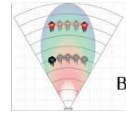
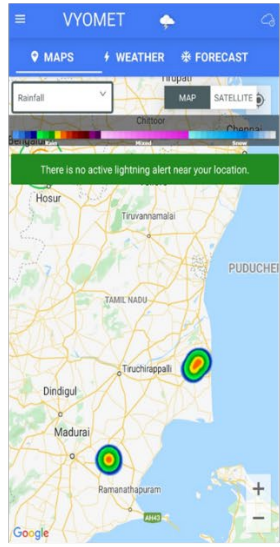
SATELLITE AND DRONE IMAGERY BASED INSIGHTS



LIGHTNING ALERTS

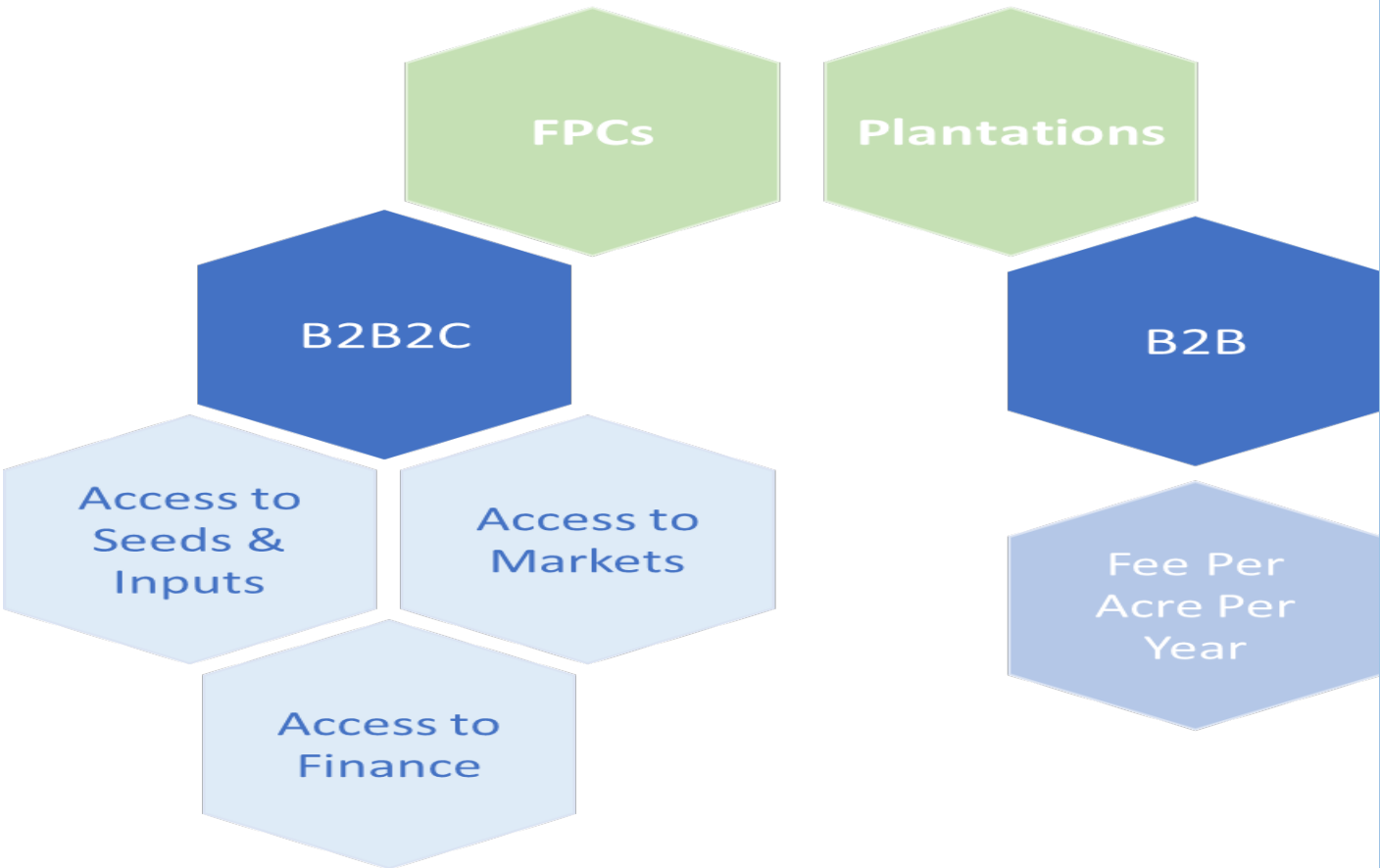


CURRENT WEATHER



QUASI RADAR BASED RAINFALL

## BUSINESS & REVENUE MODEL



While Plantations pay fees per acre per year, SMF pay from their savings initially. STAGE enables savings in procurement of seeds & inputs and from additional revenues generated from access to the right markets.