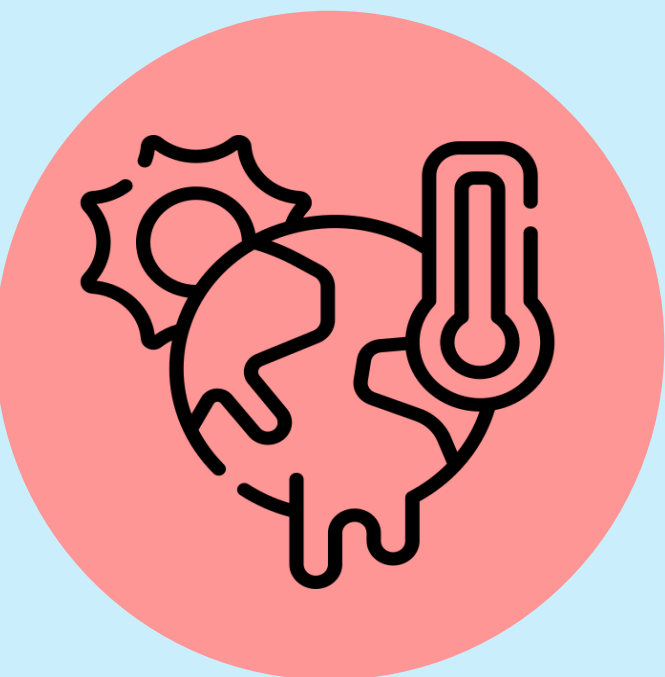


75% Decline in Pollinators Predicted in 2025

35% Crops use Pollinators

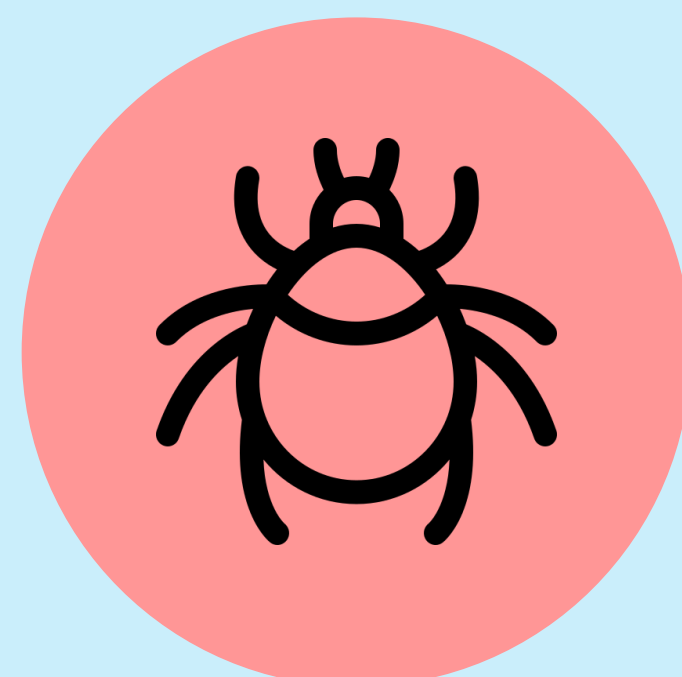
Reasons for Decline



Global Warming

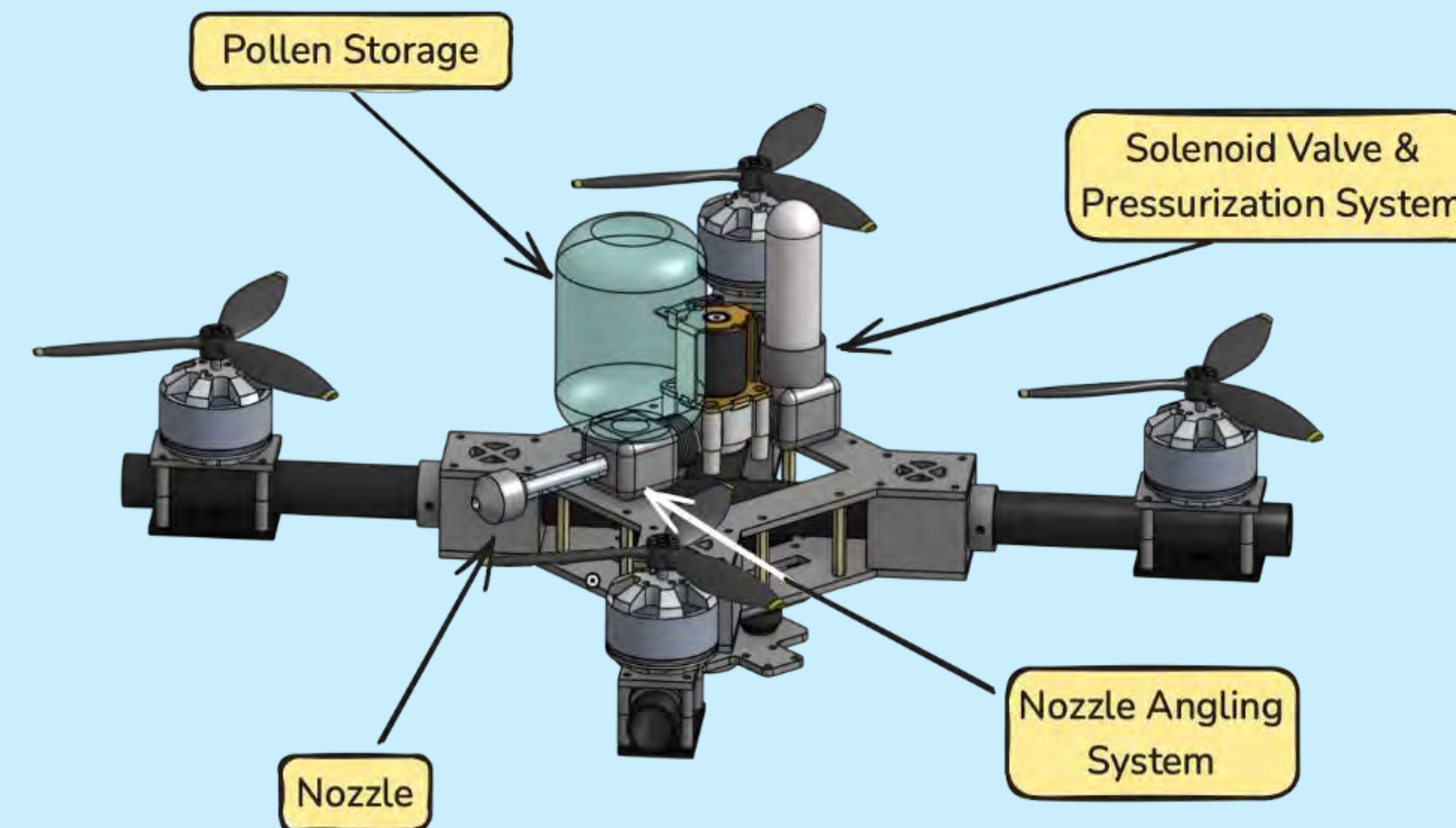
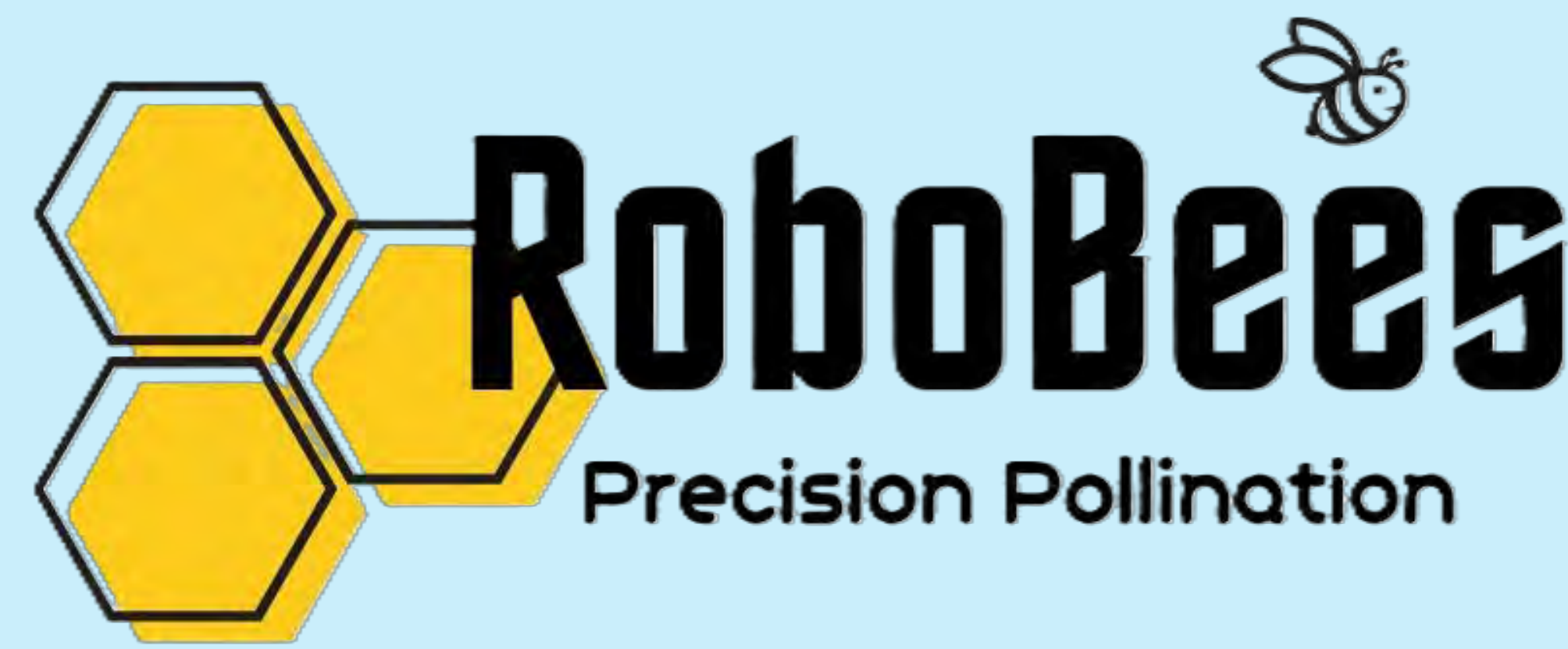


Pesticides

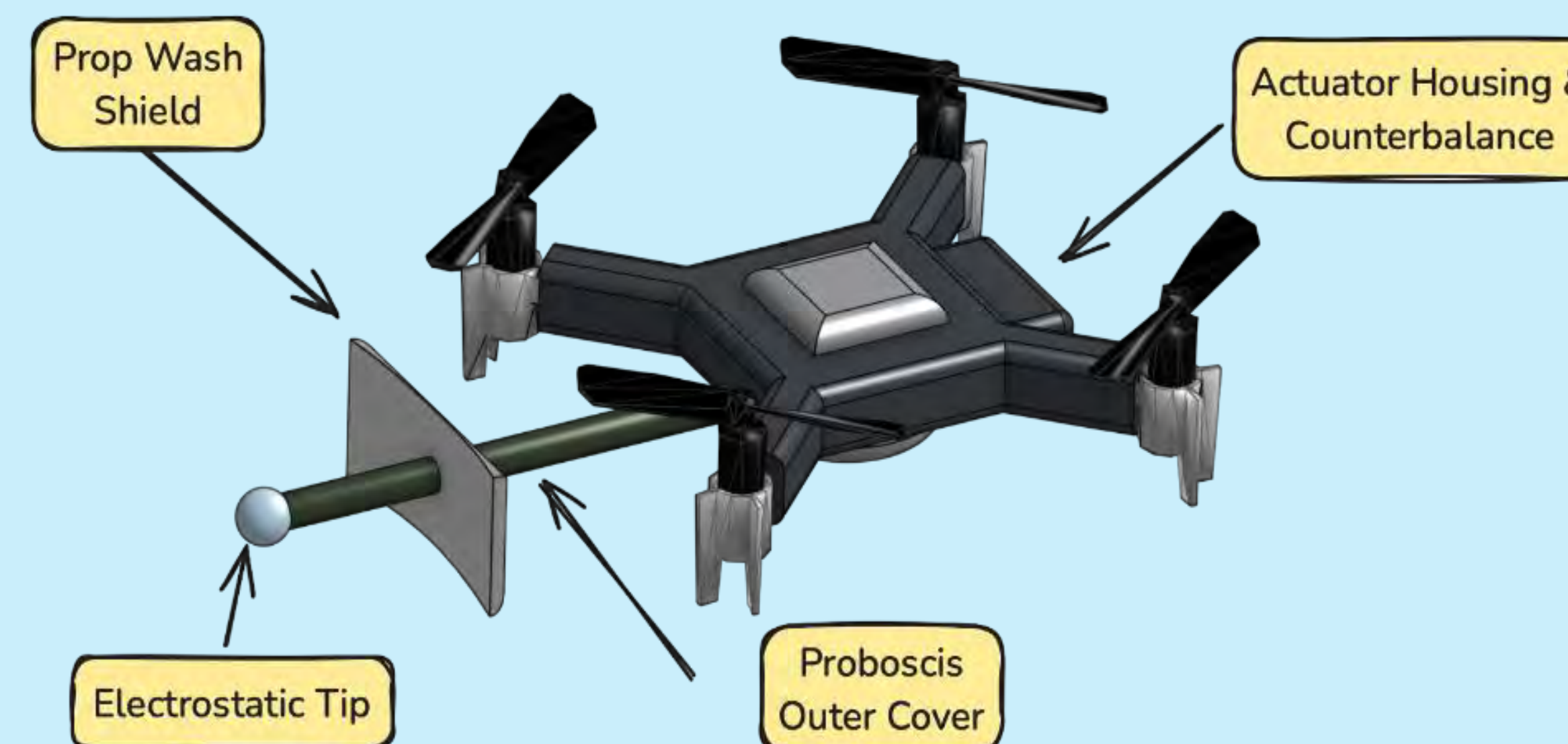


Varroa Destructor

Crops Currently Using Pollinators



Gimbaled-sprayer based design for course & wide-angle pollination

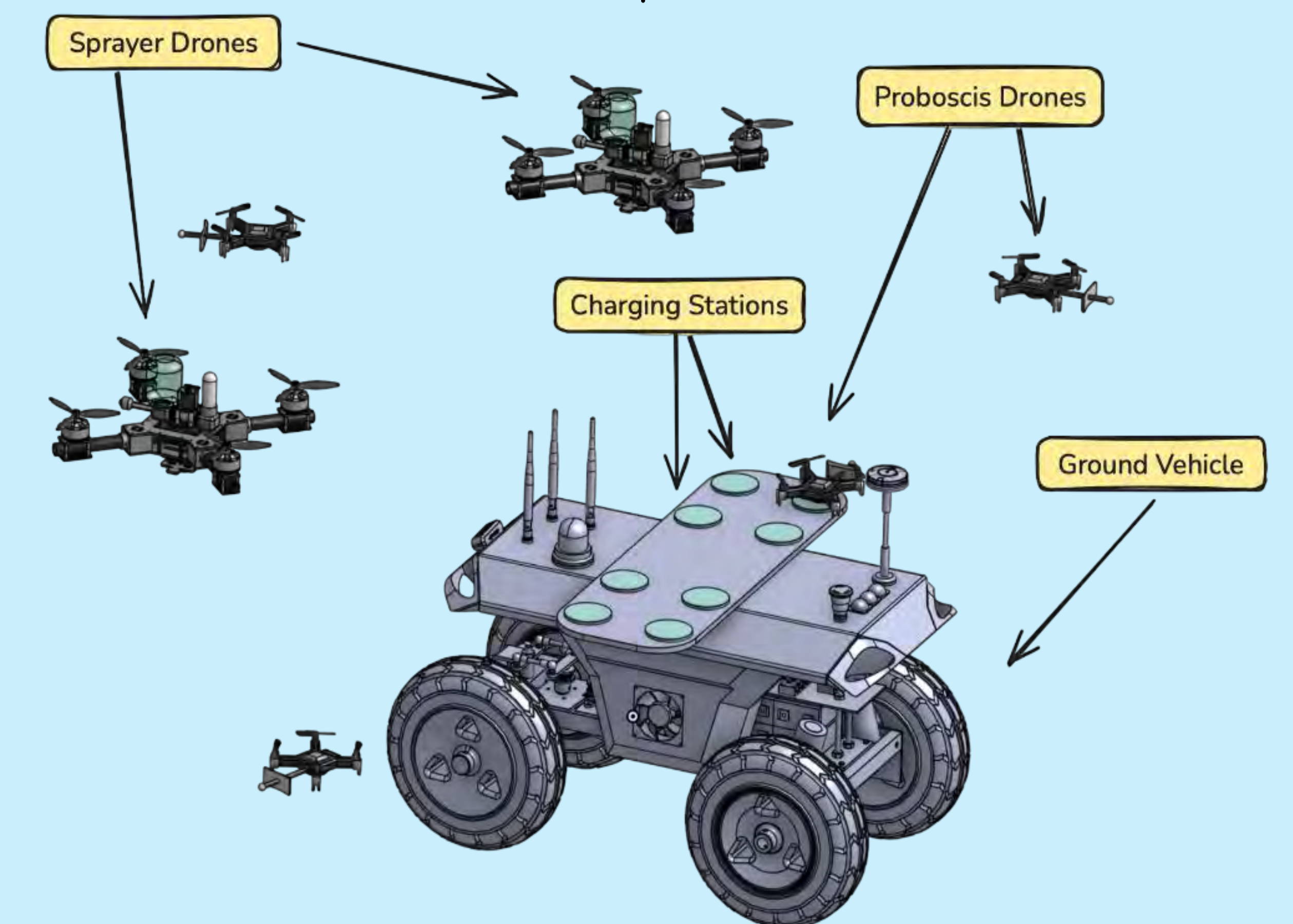


Proboscis biomimicry-based design for precise pollination

Impact

Helping the Farm

	2025	2030	2035
Revenue	\$ 11,871	\$ 11,871	\$ 11,871
Pollination cost	\$ 1,000	\$ 2,000	\$ 3,000
Cultural costs	\$ 6,344	\$ 6,344	\$ 6,344
Harvest	\$ 1,693	\$ 1,693	\$ 1,693
Interstet on operating capital	\$ 156	\$ 156	\$ 156
Cash overhead costs	\$ 1,636	\$ 1,636	\$ 1,636
EBITDA	\$ 1,044	\$ 44	\$ (956)



Ground vehicle integrated system showcasing both sprayer & proboscis drones

2025 

Prototype Development
Leveraging existing technologies and combining them to create a preliminary pollen deposition mechanism, drone, and trailer

System Testing
Testing the system in a farm to ensure proper functionality in the event of weather, rain, or poor lighting conditions.

2027 

2032 

Preliminary Integration
Providing the system to a few farms to get more data and iron out any issues before a full scale rollout.

Full Scale Integration
Systems would be on sale to any buyers, and active support will be provided for the final product, ensuring higher pollination rates for cheaper.

2035 

