FALAK

AUTONOMOUS DRONE PLATFORM

SkyDrop

A fleet that remembers.

One core architecture.
Many possible missions.

Obstacle avoidance.

Reroute / detour planning.

Shared fleet memory.



CONCEPT ILLUSTRATION / PROJECT DRONE

THE AUTONOMY CORE

Sense. Plan. Fly. Remember.

SENSE	>	PLAN	>	FLY	>	REMEMBER
Lidar + camera Observe surroundings		Route + detour Respond to obstacles		Flight control Execute the mission		Shared memory Reuse learned cells

A shared autonomy foundation connects sensing, planning and flight control.
Persistent obstacle memory carries observations forward to later missions.

APPLICATION PATHWAYS

Delivery

Parcel transport and
destination-to-destination missions.

Medical support

Life-saving equipment and
essential medical supply transfer.

Logistics

Movement of small supplies
between facilities or remote sites.

Agriculture

Potential adaptation for crop scouting
and farm monitoring with suitable sensors.

Application-specific payloads, integration and validation are required.

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