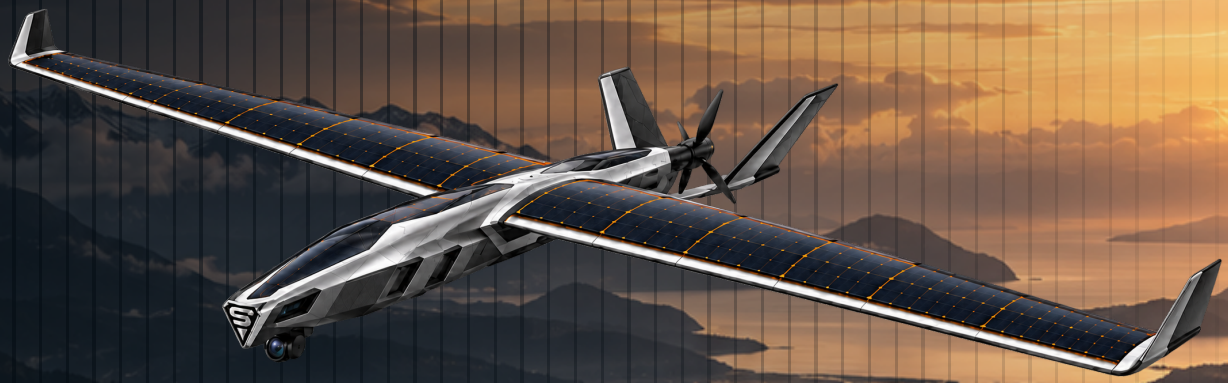
DRONES

SOFOS™

SKYSHARKS

MISSION-CONTINUITY AVIATION



ONE MISSION. ONE INTELLIGENCE. ONE FABRIC.

A family of specialist aircraft, mission intelligence, protected recovery and airborne energy support, designed to keep the objective moving.

Three mission aircraft.

Distinct capabilities. One coordinated mission.

D-LW01 WIDE-AREA



Extend the mission.

Broad-area observation, corridor coverage and photovoltaic wing architecture.

LONG-WING

D-FW01 SURVEY



Build the picture.

Repeatable mapping, survey and environmental intelligence with specialist payloads.

FIXED-WING

D-MR01 CLOSE-RANGE



Work the detail.

Close inspection and responder observation supported by precise mission context.

MULTIROTOR

SD4

SPECIALIST UTILITY DRONE

The mission has a new teammate.

SkySharks SD4 introduces an airborne energy and utility service built around qualified rendezvous, a telescopic boom and controlled energy replenishment.



01

REQUEST

Mission energy need and live position

02

RENDEZVOUS

Breadcrumb-supported meeting corridor

03

CONNECT

Telescopic boom and magnetic docking pad

04

REQUALIFY

Updated reserves and mission continuation

ARS / AERIAL RECHARGING STATION

Energy is a mission capability.

PowerFabric connects energy capture, protected reserves, energy allocation and airborne replenishment with the objectives of the mission.

01 / CAPTURE

PHOTOVOLTAIC SKIN

Integrated solar collection forms part of the aircraft energy strategy.

02 / STORE

BATTERY + BMS

Energy state and reserves are maintained as mission resources.

03 / MANAGE

POWERFABRIC

Allocate power for flight, payload, intelligence and communications.

04 / PROTECT

SURVIVABILITY BOOSTER

Support essential energy continuity and protected recovery.

05 / REPLENISH

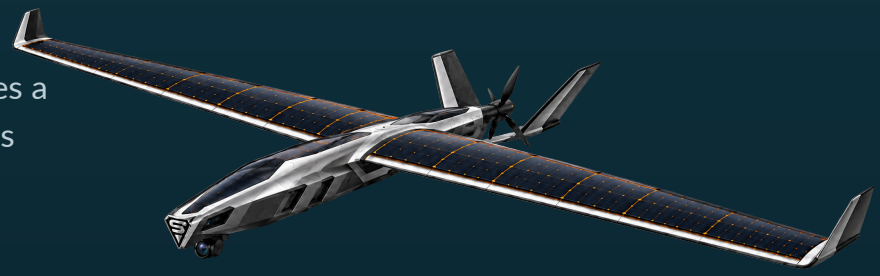
Bring energy to the mission.

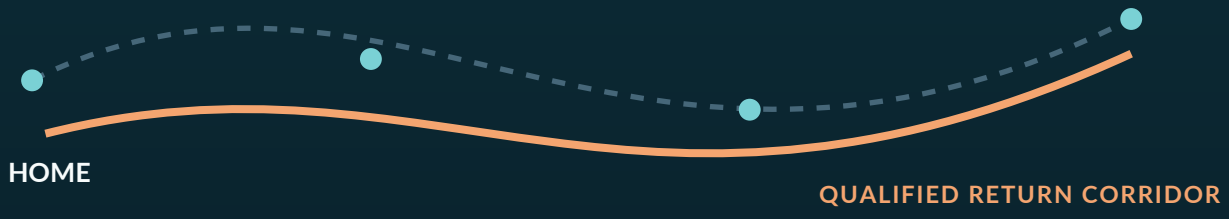
SD4 / ARS adds a specialist utility aircraft to the mission fabric, linking qualified rendezvous, managed transfer and verified replenishment.



When everything changes, what can still be trusted?

From the first outbound checkpoint, SkySharks builds a mission record and prepares a Qualified Return Corridor. If conditions change, Home Safe evaluates what survives and what can still be done.





01
PREPARE
Protected breadcrumbs and time-indexed forecasts

02
CONTAIN
Hardware shielding, isolation and transient management

03
BRIDGE
SEB support for essential recovery power

04
RECONSTRUCT
Protected boot and trustworthy surviving state

05
RECOVER
Qualified return, diversion, landing or team relief

One mission. One intelligence. One fabric.

SkySharks brings specialist aircraft, mission intelligence, device-level qualification, energy and support together around one accountable objective.

SDBB



Six mission processing functions coordinate onboard intelligence, qualification, resolution, optimisation, execution and knowledge.

SPU / QPU / RPU / OPU / EPU / KPU

MISSION KITS

D-KIT01

INSPECTION

EO and thermal

D-KIT02

SURVEY

Multispectral mapping

D-KIT03

SEARCH + RESCUE

Responder observation

D-KIT04

RF RELAY

Permitted link support

MISSION CONTINUITY AVIATION

COVER. MAP. INSPECT. REPLENISH.

One aircraft family. Four complementary identities. Mission intelligence stays connected to the purpose, while Home Safe and SD4 energy support keep recovery and continuity in view.

SOFOS.INDUSTRIES/D-SERIES/DRONES