



FALCON

RELIABLE. COST-EFFECTIVE. MULTI-PURPOSE.

FALCON

SPEKTREWORKS UAS

The *Falcon* is a large **heavy payload** aircraft with a long flight time that is **easy to fly**

Used as cost-effective targets or in a full IP Network ISR configuration



Fixed wing aircraft



Small operational footprint



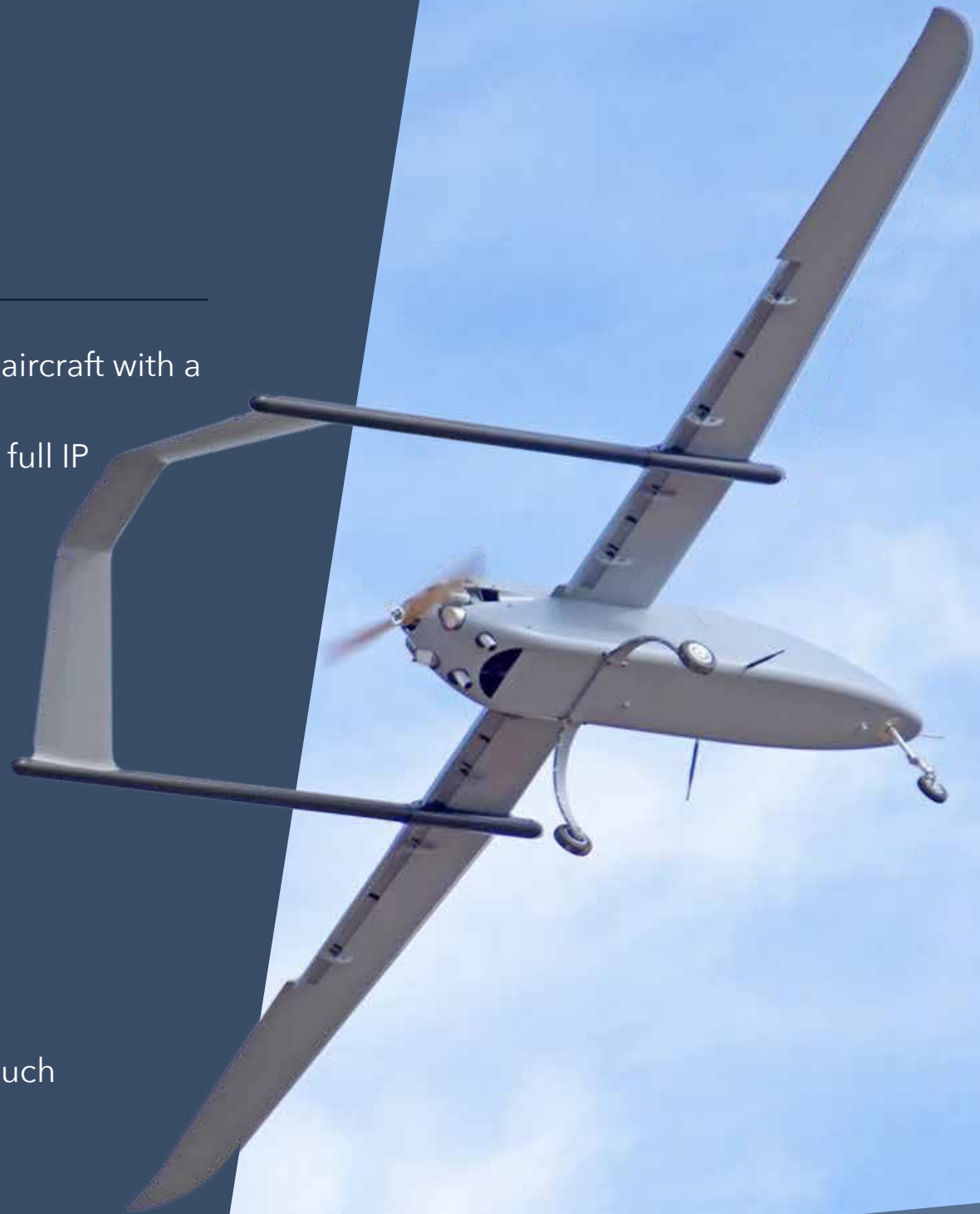
Open payload architecture



Fully autonomous



Autonomous runway or rail launch



FALCON

SPEKTREWORKS UAS SPECIFICATIONS

FW PERFORMANCE

ENDURANCE ~10 HOURS
CEILING >15,000 FT DA
CRUISE SPEED 50 KTS 25.7M/S
DASH SPEED 70 KTS 36M/S
RANGE (UNRESTRICTED C2) 500 NM
TAKEOFF ROLL 150FT 46M
LANDING ROLL-OUT 400FT 122M
FOWLER FLAPS AND BRAKES FOR RUNWAY
MOTOR 150 CC CARBORATED
OR EFI ENGINE W/ 500W
STARTER/ALTERNATOR

DIMENSIONS

LENGTH 11.5FT 3.5M
WINGSPAN 16.5FT 5M

WEIGHTS

EMPTY AIRCRAFT WEIGHT 100LBS 45KG
MAX TAKEOFF WEIGHT 180LBS 85KG
MAX PAYLOAD WEIGHT 35LBS 16KG
MAX FUEL WEIGHT 50LBS 22.5KG

AVIONICS

SPEKTREWORKS AVIONICS STACK