



MARIANA

REDESIGNED LONG ENDURANCE AIRCRAFT
(LEA) UAS WITH LOW COST ADVANTAGES

Our legacy LEA UAS reborn. Years of collective operational expertise, including cost reduction manufacturing and modular functionality further optimize ISR mission performance.

TSC teamed with Pipistrel's innovative aerospace design and manufacturing capabilities and AEVEX's ISR engineering and integration expertise to deliver our next-generation, commercially available, long-endurance, semi-autonomous, Group 5 multi-INT platform, MARIANA.

MAXIMUM LIFE-CYCLE PERFORMANCE AND EFFICIENCY

- Autonomous take-off and landing
- Semi-autonomous "point-click" operation
- Redundant, modular systems architecture, previously unavailable
- Innovative design for expanded operational performance over our legacy LEA variants

BEST VALUE MULTI-INT PLATFORM IN ITS CLASS

- When comparing overall system capability vs cost, Mariana far exceeds all known legacy variants.

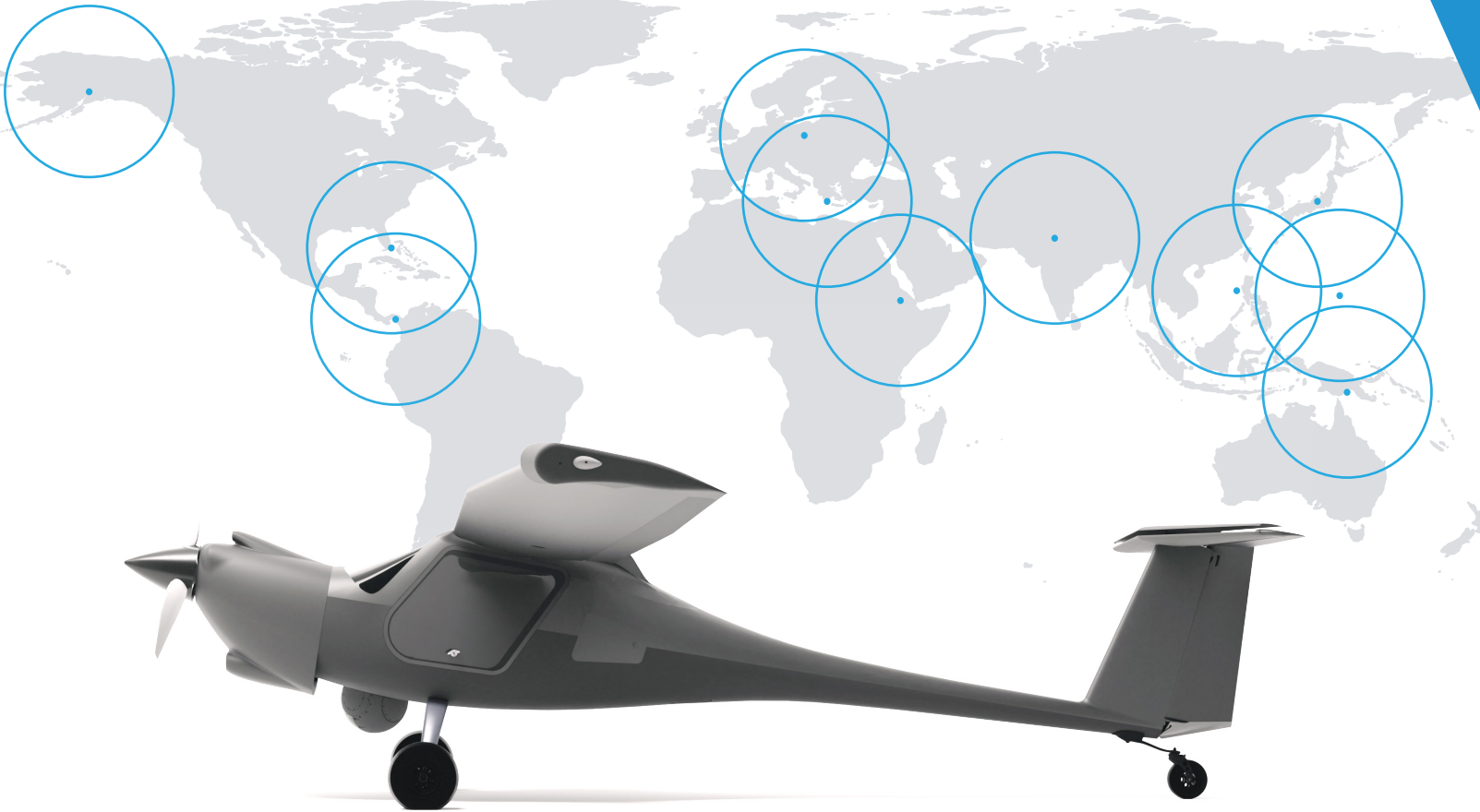


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MARIANA SPECIFICATIONS

MAXIMUM ENDURANCE PROFILE FOR SINGLE SITE TAKEOFF & LANDING



CHARACTERISTICS

Length	22 ft	6.7 m
Wingspan	42 ft	12.8 m
External Payload Stores	100 lbs	45.4 kg
Internal Payload Stores	250 lbs	113.4 kg
Engine	Rotax 916 - Turbocharged iS engine with best power-to-weight ratio	
Fuel	Auto and AVGAS flexible	
Flight Critical Actuation	Redundant	
Autopilot	Redundant	
Backup Battery System	1+ hrs	
BLOS & LOS	Redundant	
Voice Comms	Provisioned	
IFF	Customer selected	
Sense & Avoid	Provisioned	
PNT	Multimode Ridgeback or customer selected	
Onboard Networks	Redundant	

MAXIMUM PERFORMANCE

MGTO Weight	2,125 lbs	963.9 kg
Service Ceiling	30,000+ ft	9,144+ m
Dash Speed	100+ KTAS	
Max Endurance	30+ hrs	

Maximum performance is subject to several factors inclusive to environment, concept of operations, and specific aircraft configurations.

PIPISTREL
BY TEXTRON AVIATION



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