ROTRON
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AIRCRAFT

SkyLance

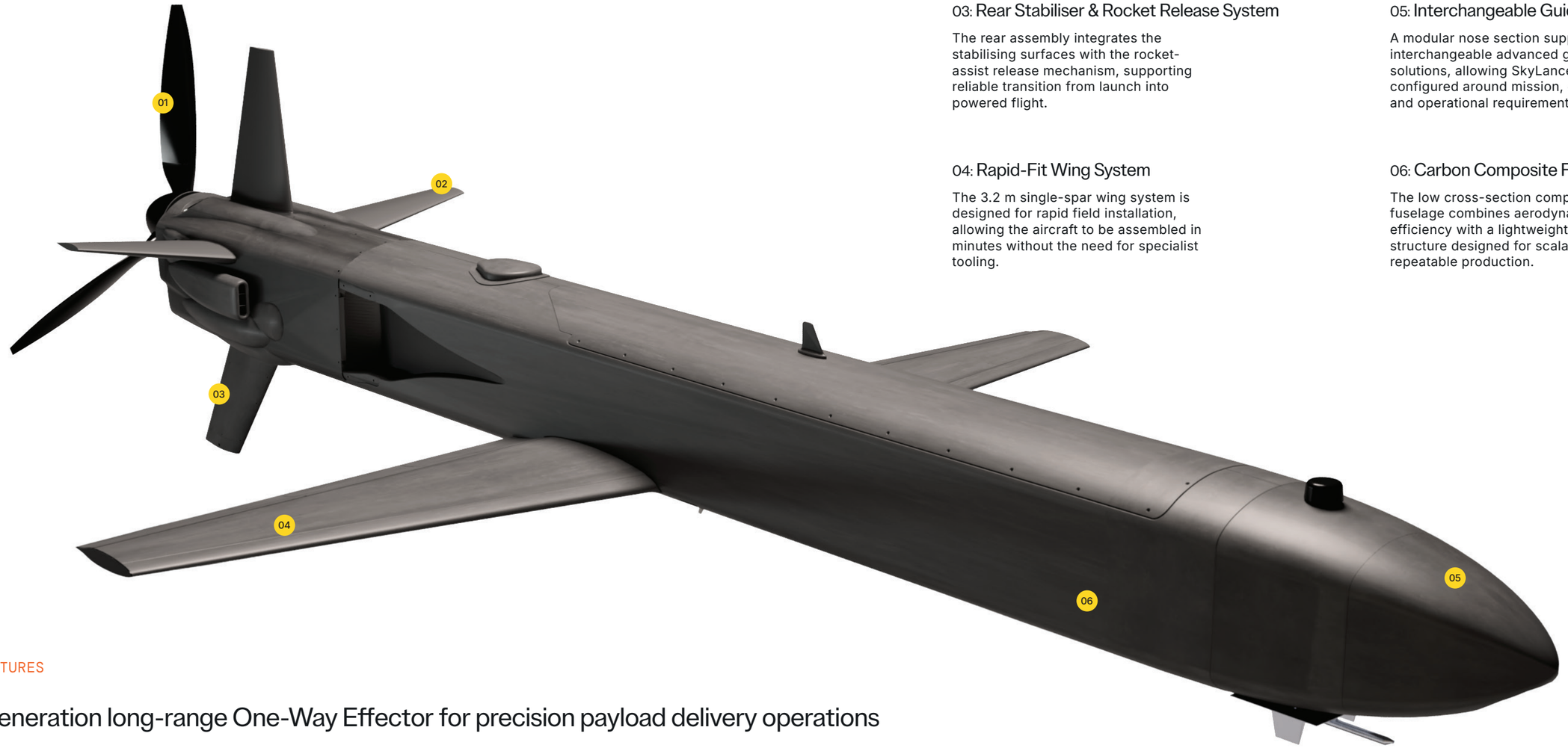
SkyLance is a next-generation, long range, cost-effective One Way Effector (OWE), offering precision payload delivery.

Powered by Rotron's proprietary propulsion technology, SkyLance delivers configurable payloads of up to 300 kg (660 lbs) while achieving significantly greater fuel efficiency than other propulsion systems, enabling markedly extended operational range from 1200 km - 2700 km.

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| OVERVIEW

SkyLance is a next-generation, long-range, cost-effective One Way Effector (OWE) designed to deliver precision payloads at extended operational ranges.



01: 1.5M Three Blade Composite Propeller

Lightweight composite propeller engineered to deliver efficient thrust across the SkyLance operating envelope, supporting sustained cruise performance and long-range mission profiles.

02: Quick-Fit Tail Assembly

Rapid-fit horizontal and vertical stabilisers enable fast field assembly while providing the control authority required for stable and responsive flight throughout the mission.

03: Rear Stabiliser & Rocket Release System

The rear assembly integrates the stabilising surfaces with the rocket-assist release mechanism, supporting reliable transition from launch into powered flight.

05: Interchangeable Guidance System

A modular nose section supports interchangeable advanced guidance solutions, allowing SkyLance to be configured around mission, customer and operational requirements.

04: Rapid-Fit Wing System

The 3.2 m single-spar wing system is designed for rapid field installation, allowing the aircraft to be assembled in minutes without the need for specialist tooling.

06: Carbon Composite Fuselage

The low cross-section composite fuselage combines aerodynamic efficiency with a lightweight, robust structure designed for scalable, repeatable production.

| KEY FEATURES

Next-generation long-range One-Way Effector for precision payload delivery operations

Range
UP TO 1200 KM
745 MI

Cruise Speed
600 km/h
370 MPH

MTOW
655 KG
1440 LBS

Configurable Payload
UP TO 300 KG
660 LBS

Range (150kg payload)
> 2700 KM
1677 MI

Max Speed
650 KM/H
400 MPH

Operational Altitude
100 M - 4,000 M ASL
300 FT - 12,000 FT

Launch System
Rocket Assist 16kN Thrust
3500 LBS

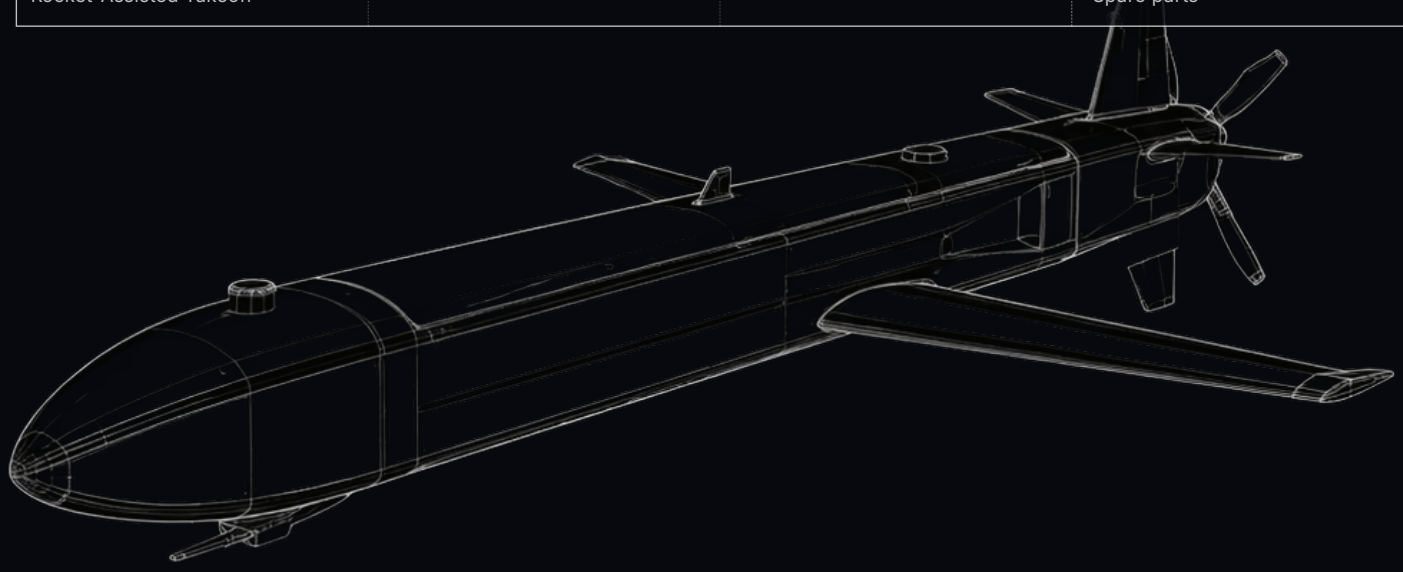
Long Range: Designed for extended-range deep-strike missions.
Adaptable: Modular payload and guidance architecture supports mission-specific configuration.
Deployable: Rapid field assembly and compact transport support dispersed operations.
Simple: Pre-programmed missions and straightforward launch reduce operator workload.
Scalable: Designed for repeatable, high-volume manufacture.

Resilient: Navigation architecture supports operation in challenging environments.
Efficient: Propeller-driven propulsion enables efficient long-range performance.
UK Sovereign: Designed and developed in the UK with a resilient domestic capability base.
Cost Effective: A lower-cost approach to long-range precision strike.
Rapid Launch: Rocket-assisted launch enables deployment without a conventional runway.

INTEGRATED SYSTEM

A complete, deployable long-range strike capability combining the air vehicle, launch system, mission planning and control, and integrated logistic support.

01: SkyLance One-Way Effector	02: Launch System	03: Mission Planning & Control	04: Integrated Logistic Support
Guidance & Navigation	ISO-compatible vehicle	C4I compatible	Documentation
Flight Control System	Stabilised launch platform	Operator configurable	Training package
Propulsion System	Containerised architecture	Mission planning	Maintenance kit
Configurable Payload	Launch Control System	Launch control	Test equipment
Rocket-Assisted Takeoff			Spare parts



About Rotron Aerospace

Rotron exists to create a safer world by transforming defence with relentless innovation. We are an advanced defence technology company that believes aerospace innovation can always Go Further. From propulsion to advanced autonomous systems, Rotron combines engineering expertise with creative problem-solving.

Founded in the UK in 2008, Rotron is now trusted by the world's leading defence and aerospace organisations to safeguard missions, reshape aerospace platforms, invent the impossible and create a safer world.

ROTRON

REGISTERED IN ENGLAND, NO. 07120913
+44 (0)1747 440 510 | INFO@ROTRONAERO.COM | ROTRONAERO.COM

MADE IN BRITAIN