



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 can deliver configurable payloads of up to 300 kg (660 lbs) while achieving significantly greater fuel efficiency than other propulsion systems, enabling markedly extended operational range ≥ 1200 km. Designed for contested domains, SkyLance operates effectively in complex cyber and electromagnetic environments - including deliberate electronic attack and spoofing - and remains resilient in the absence of reliable GNSS.

Deployable as a fully containerised package that can be sea borne or discreetly positioned on land, SkyLance delivers strategic deep strike capability.



 Range Up to 1200 km	 Max Speed 650 km/h (400 mph)	 Operational Altitude 300 m – 4000 m ASL (1,000 ft - 12,000 ft)
 MTOW 655 kg (1440 lbs)	 Cruise Speed 600 km/h (370 mph)	 Configurable Payload Up to 300 kg (660 lbs)

System Survivability:

- Optimized exhaust geometries minimize IR emissions.
- Controlled acoustic emissions through optimized propeller and exhaust designs.
- Fully controllable radio emissions with the ability to adjust output power and telemetry rates.
- Radar-reflective paint reduces the cross-section, with an option for a high-signature variant.

Accuracy

- Utilizes GNSS with CRPA for positional accuracy or in GNSS-denied environments, SkyLance uses INS + optical flow/map matching for positional estimates.
- Map matching and optical flow continuously correct the INS while GNSS is denied, delivering a CEP50 of <6 m (19.6 ft).

Navigation and Target Acquisition

- TA system utilizing an NVIDIA compute unit with proprietary TA software.
- Incorporates a fixed EO/IR camera system.
- Targets are identified within the camera FOV by comparing to a database of potential targets.
- Operator ability to pre-set target types.

Leading Particulars	
Wingspan:	3.2 m (10.5 ft)
Length:	5.8 m (19.2 ft)
Launch System:	Rocket-Assisted Takeoff (RATO)
Navigation System:	GPS, INS, VA, Terminal Guidance



ABOUT ROTRON

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.