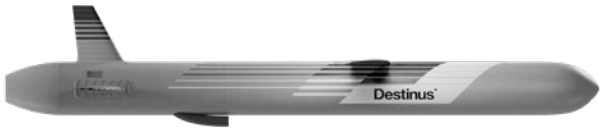

Destinus
Scalable cost-asymmetric strike
and air defence systems for
high-intensity warfare

European industrial-scale strike & air defence systems

Strike systems

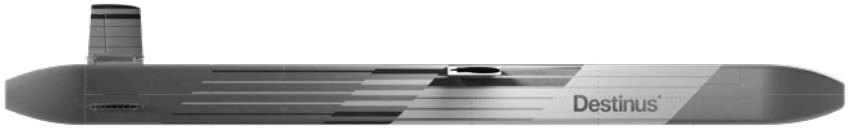
Ruta Block 1

Baseline precision strike against high-value military targets



Ruta Block 2

Long-range precision strike against hardened and high-value military targets



Kryla

Distributed saturation strike system with coordinated multi-effector engagement



Subsystems



T150

High-thrust propulsion for cruise missiles and larger UAVs



T70

Scalable propulsion for high-altitude cruise-missile swarms



T35

Integrated propulsion and onboard power for small unmanned platforms

Air defence

Hornet Block 1

Radar-cued interceptor for subsonic threats with autonomous terminal interception



Hornet Block 2

Dual-role system: interceptor & controlled precision strike on a single platform



Future capabilities

Vorexon

Layered interceptor with terminal and midcourse interception capability



Ruta Block 3

The missing middle, built in Europe





Vista

Reliable navigation in a GNSS-denied environment



Strengthening Europe’s security and strategic autonomy through advanced, affordable, cost-asymmetric systems.

Destinus is a European defence manufacturer built for the age of mass-produced threats. We design and produce strike and air defence systems in Europe for European and allied forces. We develop and manufacture cruise missiles, loitering munitions, and kinetic interceptors engineered for scalable, cost-effective production.

Our edge is the combination of a unified autonomy stack, deep vertical integration, and industrial-scale manufacturing that turns fast iteration into fielded capability. At industrial tempo. Our mission is straightforward: strengthen Europe’s security and strategic autonomy by delivering advanced, affordable systems that protect people and critical infrastructure.

Intelligent navigation systems

AI-enabled navigation and mission planning designed to learn from each mission, adapt to conditions, and optimise operational outcomes.

Guidance, navigation & control

Autonomous flight control and advanced avionics delivering reliable navigation, even in GPS-denied and EW-contested environments.

Cost-efficient turbojet engines

Robust, high-performance turbojet engines designed to increase UAV speed, range, and mission longevity.

Aerodynamics & structural design

Proficiency in fluid dynamics and lightweight airframe engineering.



Our key differentiators

Vertically integrated European OEM control

Destinus is vertically integrated across its European technology and production stack. All critical subsystems -- from guidance, propulsion, avionics, software, and payloads to manufacturing and testing -- are developed and controlled in-house. This full OEM lifecycle control reduces external dependencies, mitigates supply-chain and certification risks, and ensures long-term European system sovereignty, with all IP retained in Europe.

Continuous battlefield feedback loop

Operational systems provide real-time battlefield data directly into engineering and AI model training. This closed feedback loop enables fast adaptation to emerging threats, continuous performance improvement, and rapid deployment of validated upgrades into fielded systems.

AI-based modelling & software-centric development

AI-driven modelling and software are the foundation of Destinus platforms. Advanced autonomy, navigation, sensor fusion, and mission-planning software enable rapid capability evolution. Integrated simulation and data-driven design shorten development cycles, shifting innovation from hardware-led iteration to software-defined performance.

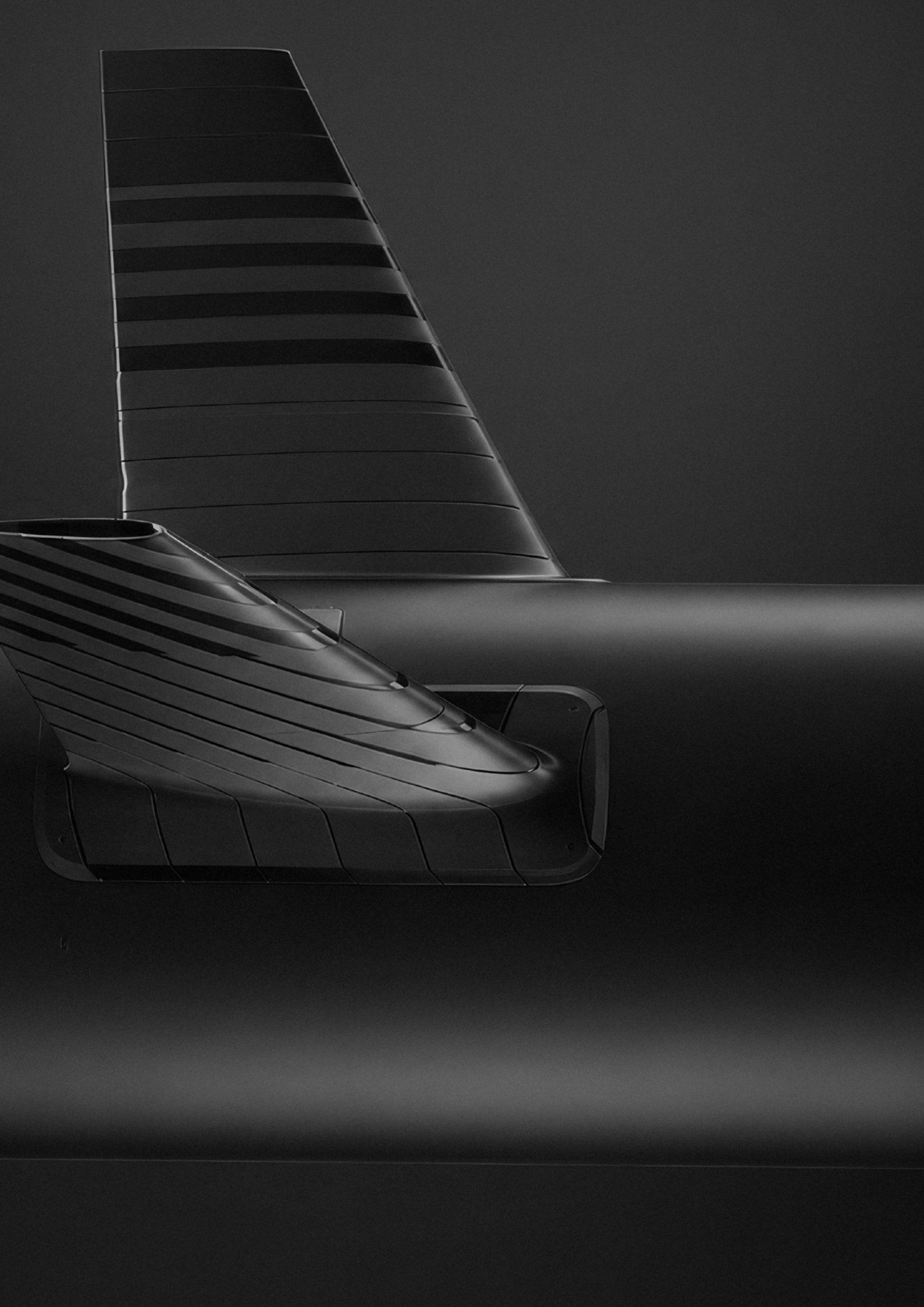
Scalable platforms and industrialised production

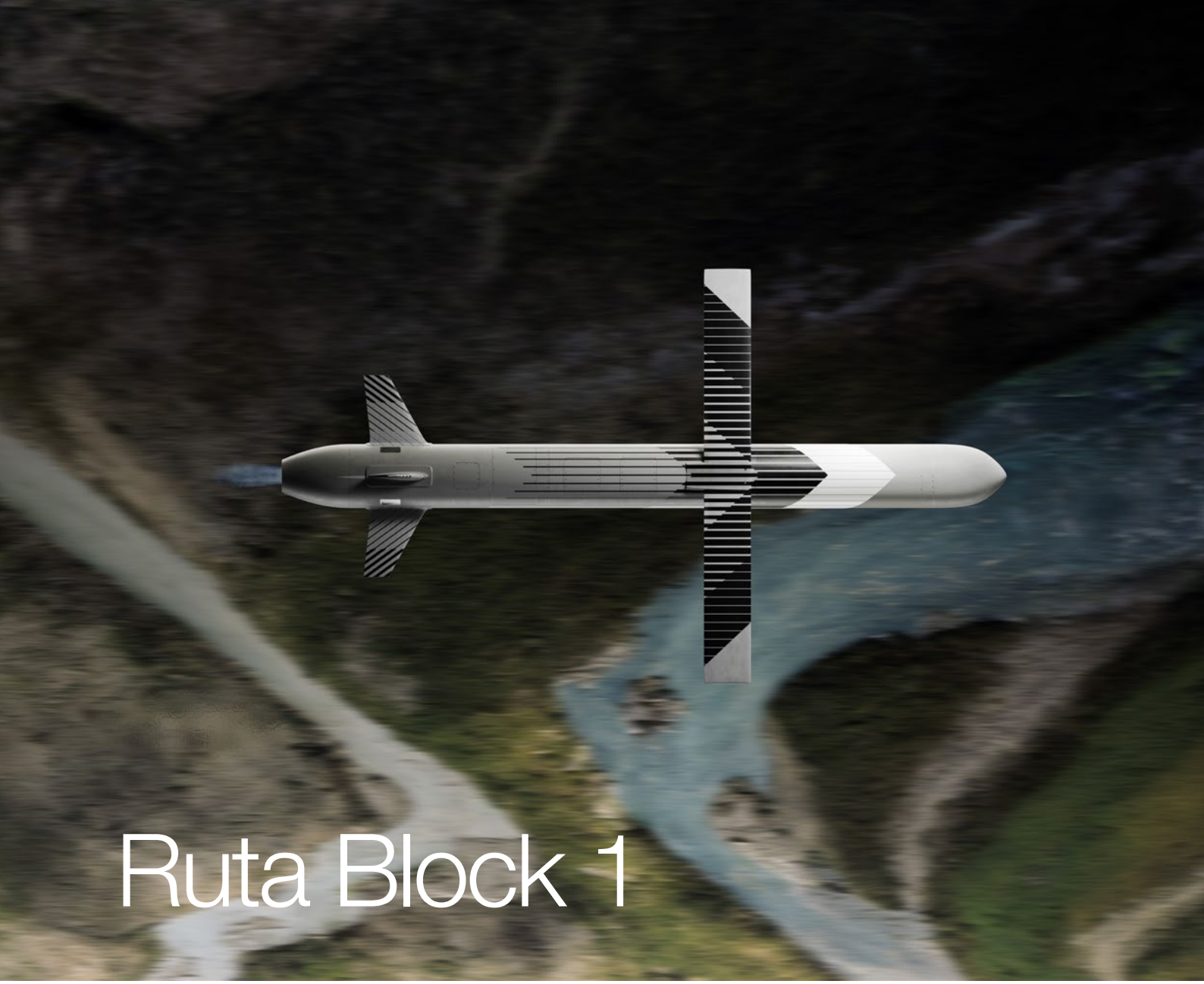
Destinus platforms are designed for scale from inception. Modular architectures, standardized interfaces, and reusable subsystems support cross-platform integration and rapid upgrades. Lean, industrialised manufacturing processes enable efficient transition from R&D to high-rate, repeatable production, and rapid deployment of validated upgrades into fielded systems.

Strike systems



	Role	Payload	Range	Speed
Ruta Block 1	High-volume precision strike and infrastructure interdiction	150 kg	300 km	Subsonic (700–800 km/h)
Ruta Block 2	Long-range precision strike against hardened and high-value military targets	250 kg	700+ km	Subsonic (600–700 km/h)
Kryla	Distributed strike and air defence saturation	50 kg	800+ km	Subsonic (700–800 km/h)





Ruta Block 1

Baseline precision strike against high-value military targets

- Cost-optimised for high-volume salvo engagements
- Multi-sensor navigation (INS/GNSS/VNS) for sustained operation in EW-contested zones
- Low-altitude, terrain-masking penetration profile

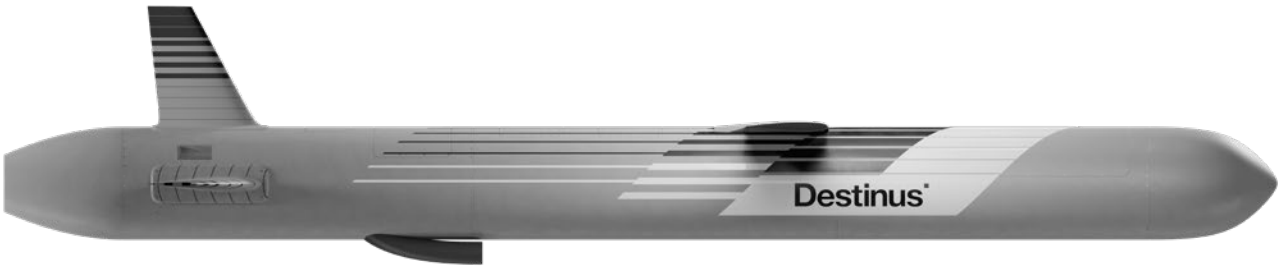
CLASSIFICATION	Cruise strike system
ROLE	High-volume precision strike and infrastructure interdiction
RANGE	300 km
SPEED	Subsonic (700–800 km/h)
PAYLOAD	150 kg

Mission

TARGET SET	· High-value targets · Critical infrastructure
KILL CHAIN INTEGRATION	Pre-programmed targeting with optional ISR cueing
APPLICATIONS	· Forward logistics interdiction · Suppression of active air defences · High-volume counter-battery fires

Technical data

LAUNCH	Booster-assisted mobile ground launch
PROPULSION	T150 turbojet (in-house)
GUIDANCE & NAVIGATION	INS + GNSS + VNS (GNSS-denied capable)
TERMINAL GUIDANCE	Pre-programmed terminal guidance (GNSS-denied capable)
TACTICAL COMMS & DATA LINKS	· UAV-based data relay



OPERATIONAL ROLE

Designed for scalable precision strike at tactical depth, Ruta Block 1 delivers low-altitude penetration in EW-contested environments to sustain high-volume salvo operations.

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Ruta Block 2

Long-range precision strike against hardened and high-value military targets

- Superior cost / range / payload performance
- Canister-launched for enhanced mobility and rapid deployment
- GNSS-denied and EW-contested environment operation

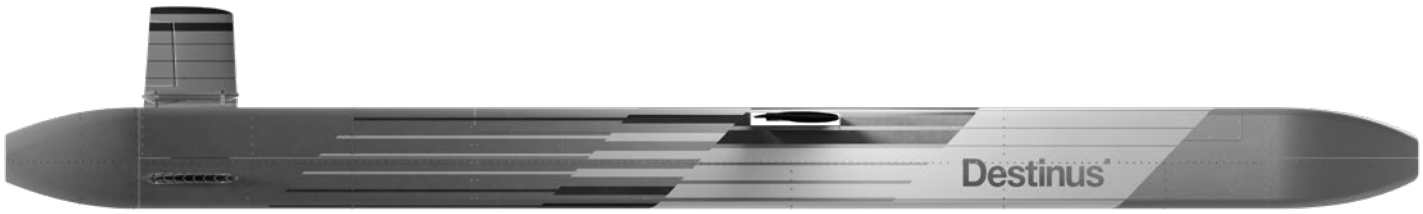
CLASSIFICATION	Long-range cruise strike system
ROLE	Long-range precision strike against hardened and high-value military targets
RANGE	700+ km
SPEED	Subsonic (600–700 km/h)
PAYLOAD	250 kg

Mission

STRIKE CONCEPT	Low-altitude terrain-following penetration with precision terminal engagement against defended targets
TARGET SET	· Hardened targets · Critical infrastructure
KILL CHAIN INTEGRATION	ISR-cued targeting with AI-assisted terminal engagement
APPLICATIONS	· Strategic operational strike · Stand-off precision attack

Technical data

LAUNCH	Booster-assisted canister launch or from 40-ft container
PROPULSION	T150 turbojet (in-house)
GUIDANCE & NAVIGATION	INS + GNSS + VNS (GNSS-denied capable)
TERMINAL GUIDANCE	EO/IR seeker (AI-assisted target recognition)
TACTICAL COMMS & DATA LINKS	SATCOM · mesh relay (future optional)



OPERATIONAL ROLE

Designed for precision strike against hardened and high-value military targets, Ruta Block 2 enables low-altitude terrain-following penetration in GNSS-denied and EW-contested environments. EO/IR terminal guidance with AI-assisted target recognition supports accurate engagement of operator-defined aimpoints. On the same T150 engine, Block 2 doubles Block 1's MTOW and range; cruise speed is marginally lower as a result of the design trade.



Kryla

Distributed saturation strike system with coordinated multi-effector engagement

- Mass strike and saturation capability
- Networked / cooperative effect
- Palletised airdrop or booster-assisted canister launch

CLASSIFICATION	One-way effector
ROLE	Distributed strike and air defence saturation
RANGE	800+ km
SPEED	Subsonic (700–800 km/h)
PAYLOAD	50 kg

Mission

STRIKE CONCEPT	Distributed multi-vector strike with time-on-target coordination and high-volume salvo
TARGET SET	· Integrated air defence · Stationary targets
KILL CHAIN INTEGRATION	Distributed targeting and cooperative engagement across multiple effectors
APPLICATIONS	· SEAD (Suppression of Enemy Air Defence) · Remote saturation strike · Deep strike missions · MRASM

Technical data

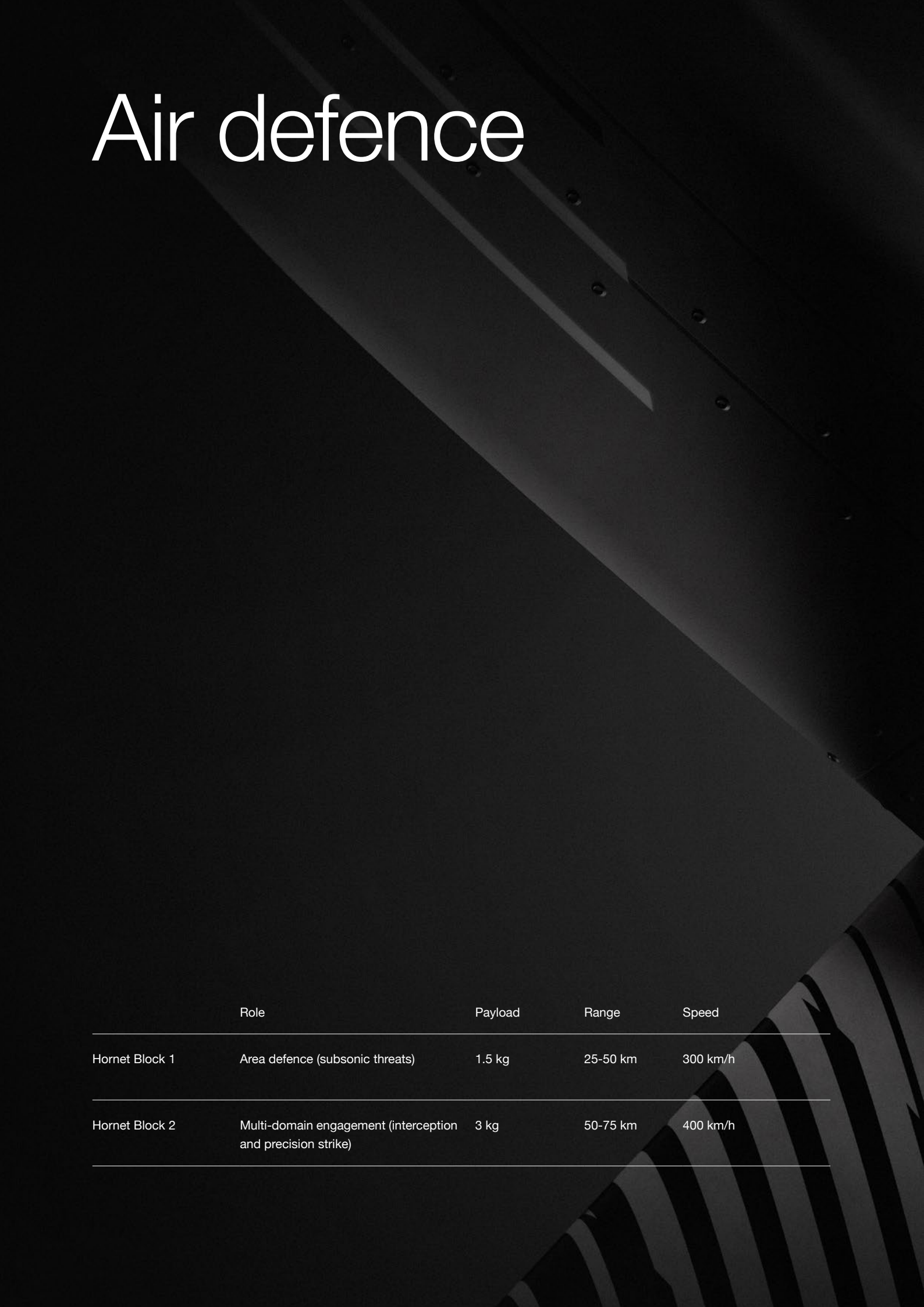
LAUNCH	Air-drop (463L pallet) / booster-assisted canister launch (20-ft container)
PROPULSION	T70 turbojet (in-house)
GUIDANCE & NAVIGATION	INS + GNSS + VNS (GNSS-denied capable)
TERMINAL GUIDANCE	EO/IR seeker (AI-assisted target recognition)
TACTICAL COMMS & DATA LINKS	SATCOM · mesh relay



OPERATIONAL ROLE

Designed for high-volume strike, Kryla overwhelms air-defence systems through coordinated multi-vector engagement and time-on-target synchronisation across distributed effectors.

Air defence



	Role	Payload	Range	Speed
Hornet Block 1	Area defence (subsonic threats)	1.5 kg	25-50 km	300 km/h
Hornet Block 2	Multi-domain engagement (interception and precision strike)	3 kg	50-75 km	400 km/h





Hornet Block 1

Radar-cued interceptor for subsonic threats with autonomous terminal interception

- Initial radar guidance, AI-assisted terminal seeker
- Operates in GNSS-denied environments
- Reversing cost asymmetry
- Capable of countering coordinated attacks by Group 3 drones

CLASSIFICATION	Subsonic threat interceptor system
ROLE	Area defence (subsonic threats)
RANGE	25-50 km
SPEED	300 km/h
PAYLOAD	1.5 kg

Mission

ENGAGEMENT	External radar cueing; autonomous EO/IR terminal interception
TARGET SET	· One-way attack UAS · Low-cost unguided missiles · Reconnaissance / ISR / Loitering UAVs · Swarm drone attacks
APPLICATIONS	· GBAD-integration · Forward base protection · Critical infrastructure protection

Technical data

LAUNCH	Booster-assisted ground launch (container or trailer platform) / catapult
PROPULSION	Electric propulsion (propeller-driven)
GUIDANCE & NAVIGATION	INS + GNSS + VNS (GNSS-denied capable)
TERMINAL GUIDANCE	EO/IR visual seeker (autonomous terminal homing)



OPERATIONAL ROLE

EO/IR and radar guidance enable autonomous engagement in GNSS-denied environments. Integrated with multiple radar systems for GBAD operations, Hornet Block 1 delivers cost-effective, proportional defence against one-way attack UAS, ISR UAVs, loitering munitions, and coordinated swarm attacks.



Hornet Block 2

Dual-role system: interceptor & controlled precision strike on a single platform

- For subsonic aerial threats, and maritime and ground targets
- AI-coordinated swarm operations, dynamic target allocation
- Multi-domain, mobile canister-launched, all-weather

CLASSIFICATION	Dual-role interceptor & precision strike system
ROLE	Multi-domain engagement (interception and precision strike)
INTERCEPTION RANGE	50–75 km
STRIKE-MISSION RANGE	150+ km
SPEED	400 km/h
PAYLOAD	3 kg

Mission

STRIKE CONCEPT	Radar-cued interception or ISR-cued precision strike with autonomous terminal phase. Heads-on interception capable.
TARGET SET	· Shahed-type jet UAVs · Banderol-class low-cost cruise missiles · Glide bombs · Helicopters
APPLICATIONS	· GBAD integration; (Forward) base protection · Critical infrastructure protection

Technical data

LAUNCH	Booster-assisted canister launch (tripod / vehicle / ship)
PROPULSION	Electric propulsion with propeller
GUIDANCE & NAVIGATION	INS + GNSS + VNS (GNSS-denied capable)
TERMINAL GUIDANCE	EO/IR visual seeker; Active radar seeker

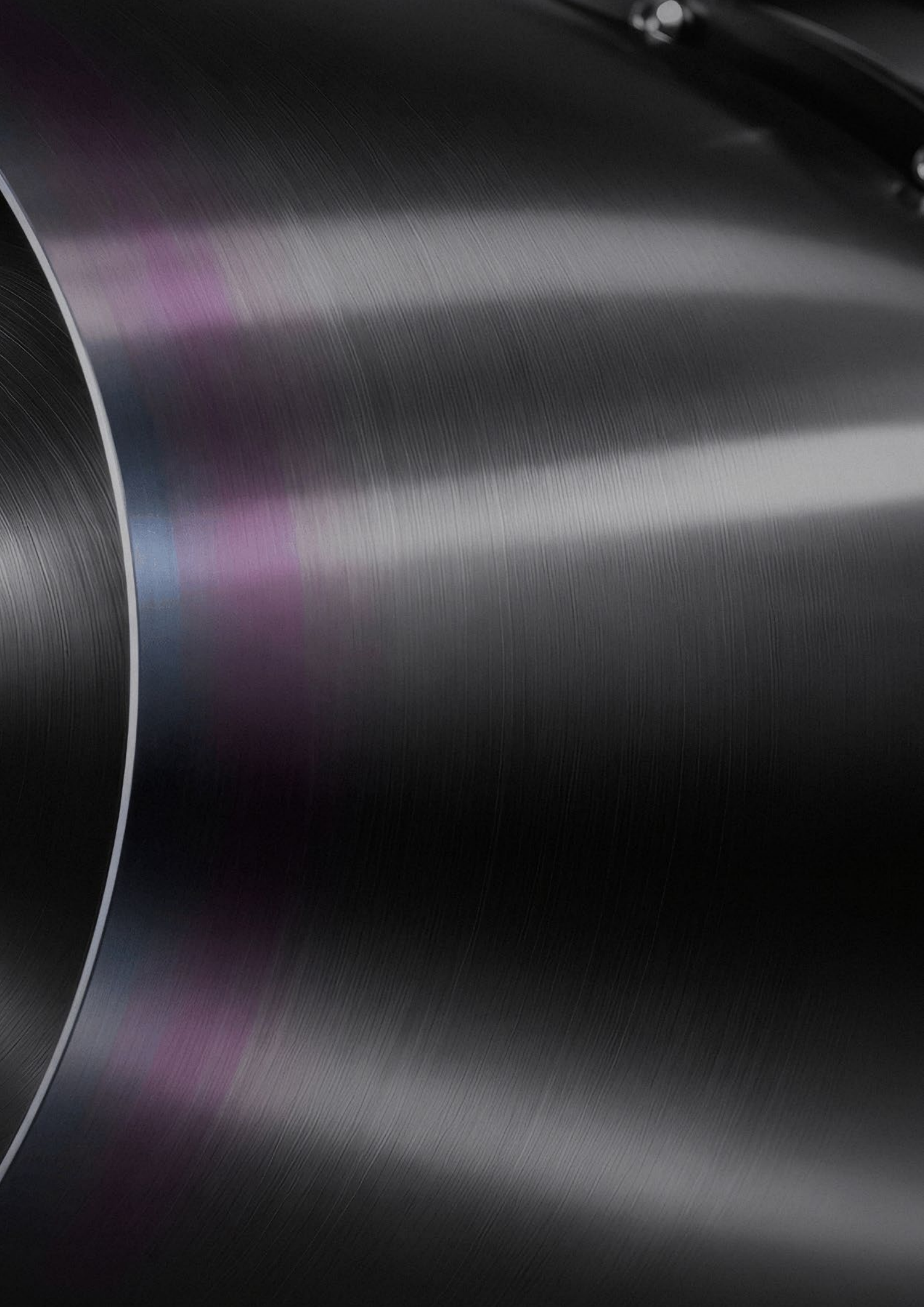


OPERATIONAL ROLE	Dual-role system enabling both subsonic threat interception and controlled precision strike within a single platform. EO/IR and radar guidance enable autonomous engagement in GNSS-denied environments.

Subsystems

	Role	Maximum engine thrust (ISA)	Maximum electrical power output
T150	High-thrust propulsion for cruise missiles and larger UAVs	150 kgf ± 5%	1,500 W
T70	Scalable propulsion for high-altitude cruise-missile swarms	70 kgf ± 5%	2,000 W
T35	Integrated propulsion and onboard power for small unmanned platforms	35 kgf ± 5%	1,250 W

	Role	Weight
Vista	Reliable navigation in a GNSS-denied environment	< 300 g with antenna





T150

High-thrust propulsion for cruise missiles and larger UAVs

- Ideal for integration into cruise missiles or other UAVs
- All-radial design, lightweight, with a compact diameter
- Low-maintenance design with fast access to key components

MAXIMUM ENGINE THRUST (ISA)	150 kgf ± 5%
SPECIFIC FUEL CONSUMPTION (SFC)	0.034 g/Ns ± 5%
MAXIMUM ELECTRICAL POWER OUTPUT	1,500 W
WEIGHT	17.5 kg

Mission

CLASSIFICATION	Turbojet engine
STARTER GENERATOR	Integrated on the main engine shaft
OPERATING CEILING	33,000 ft
MAXIMUM FLIGHT SPEED	Mach 0.9
SERVICE INTERVAL	25 operational hours
EXPORT CLASSIFICATION	9 A101.b under EU Dual-Use Regulation 2021/821

Technical data

MAXIMUM ENGINE ROTATIONAL SPEED	57,800 RPM
LENGTH	530 mm
OUTER DIAMETER	245 mm
WEIGHT	17.5 kg
FUEL TYPES	Jet A-1, JP-8, diesel, petrol
BEARING LUBRICATION	Kerosene/Oil mix 95%/5%



OPERATIONAL ROLE

Destinus T150 is a compact turbojet engine delivering a maximum thrust of 150 kgf. Its lightweight, streamlined design makes it ideal for integration into cruise missiles and other unmanned aerial vehicles. The T150 features an innovative overhang rotor design that offers superior performance compared to competitors.



T70

Scalable propulsion for high-altitude cruise-missile swarms

- Optimised for light cruise missiles or other UAVs
- Lightweight, with a compact diameter
- High-altitude, pyrotechnic, and windmilling start capability

MAXIMUM ENGINE THRUST (ISA)	70 kgf ± 5%
SPECIFIC FUEL CONSUMPTION (SFC)	0.031 g/Ns ± 5%
MAXIMUM ELECTRICAL POWER OUTPUT	2,000 W
WEIGHT	7.5 kg

Mission

CLASSIFICATION	Turbojet engine
STARTER GENERATOR	Integrated on the main engine shaft
OPERATING CEILING	40,000 ft
MAXIMUM FLIGHT SPEED	Mach 0.95
SERVICE INTERVAL	30 operational hours
EXPORT CLASSIFICATION	9 A101.b under EU Dual-Use Regulation 2021/821

Technical data

MAXIMUM ENGINE ROTATIONAL SPEED	82,000 RPM
LENGTH	360 mm
OUTER DIAMETER	175 mm
WEIGHT	7.5 kg
FUEL TYPES	Jet A-1, JP-8, JP-10
BEARING LUBRICATION	Kerosene/Oil mix 95%/5%



OPERATIONAL ROLE

Destinus T70 is a small low-cost turbojet engine capable of generating 70 kgf of maximum thrust. Capable of high-altitude and windmilling start.



T35

Integrated propulsion and onboard power for small unmanned platforms

- Ideal for integration into small missiles or other UAVs
- Lightweight, compact
- Integrated ECU for seamless onboard-computer communication

MAXIMUM ENGINE THRUST (ISA)	35 kgf ± 5%
SPECIFIC FUEL CONSUMPTION (SFC)	0.037 g/Ns ± 5%
MAXIMUM ELECTRICAL POWER OUTPUT	1,250 W
WEIGHT	2.95 kg

Mission

CLASSIFICATION	Turbojet engine
STARTER GENERATOR	Integrated on the main engine shaft
OPERATING CEILING	25,000 ft
MAXIMUM FLIGHT SPEED	Mach 0.9
SERVICE INTERVAL	30 operational hours
EXPORT CLASSIFICATION	9 A101.b under EU Dual-Use Regulation 2021/821

Technical data

MAXIMUM ENGINE ROTATIONAL SPEED	105,000 RPM
LENGTH	303 mm
OUTER DIAMETER	133 mm
WEIGHT	2.95 kg
FUEL TYPES	Jet A-1, JP-8, diesel, petrol
BEARING LUBRICATION	Kerosene/Oil mix 95%/5%



OPERATIONAL ROLE

Lightweight turbojet engine delivering a maximum thrust of 35 kgf. Engineered for longevity and consistent operation with minimal maintenance. Its versatility allows seamless integration into a wide range of UAVs, while its fuel flexibility ensures adaptability across missions.



Reliable navigation in a GNSS-denied environment

- Low SWaP
- Inherently resistant to jamming and spoofing
- Has undergone operational field testing

MAIN SYSTEM DIMENSIONS	90 x 60 x 30 mm
CAMERA DIMENSIONS	39 x 39 x 27 mm
WEIGHT	< 300 g with antenna

OPERATIONAL ROLE

Reliable position and orientation at all times, based on visual information in daylight and IR at night. High-speed, low-altitude performance with an ultra-fast refresh rate. Easy and flexible integration into existing platforms.

APPLICATIONS

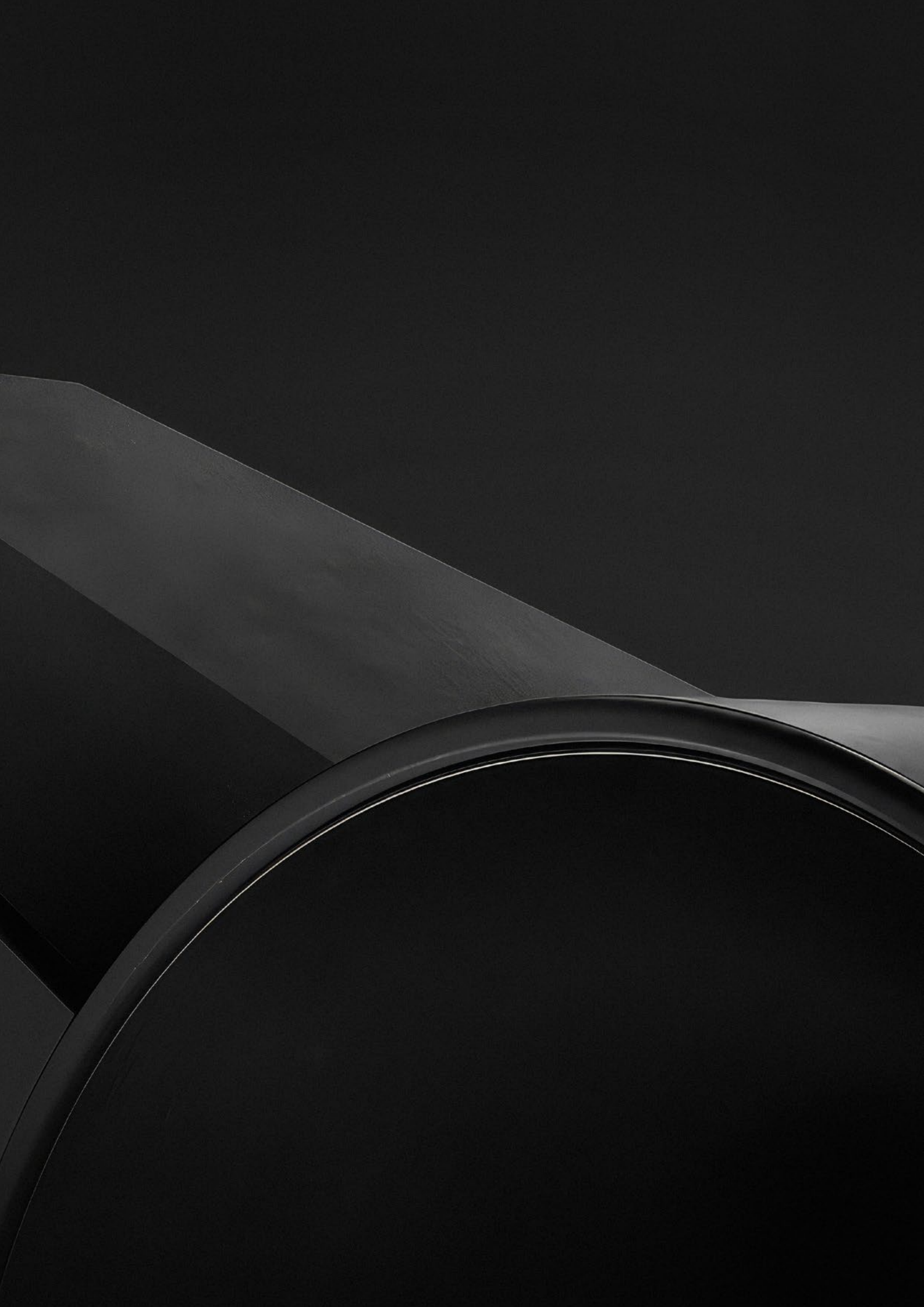
- Fixed-wing UAVs
- Multi-rotor UAVs
- VTOLs / Hybrid
- Helicopter



Future capabilities



	Role	Payload	Range	Speed
Ruta Block 3	Sovereign long-range precision strike at strategic depth.	250 kg	1,500+ km	Subsonic (700–900 km/h)
Vorexon	Point & area defence	8 kg	20+ km	Mach 2.5





Ruta Block 3

The missing middle, built in Europe

- Long-range deep-strike cruise system
- Ground-launched from an ISO container
- Zero ITAR dependencies

CLASSIFICATION	Long-range deep-strike cruise system
ROLE	Sovereign long-range precision strike at strategic depth.
RANGE (TARGETING)	1,500+ km
SPEED	Subsonic (700–900 km/h)
PAYLOAD	250 kg

Mission

STRIKE CONCEPT	Low-altitude terrain-following penetration with precision terminal engagement against defended targets
TARGET SET	· Hardened targets · Critical infrastructure
KILL CHAIN INTEGRATION	ISR-cued targeting with AI-assisted terminal engagement
APPLICATIONS	· Strategic operational strike · Stand-off precision attack

Technical data

LAUNCH	40-ft container · 4× sealed canisters
PROPULSION	2 × T200 (under in-house development)
GUIDANCE & NAVIGATION	INS + GNSS + VNS (GNSS-denied capable)
TERMINAL GUIDANCE	EO/IR seeker (AI-assisted target recognition)
TACTICAL COMMS & DATA LINKS	SATCOM · mesh relay



OPERATIONAL ROLE

Ruta Block 3 extends the Ruta architecture into long-range deep strike against high-value military targets in contested environments. Built around in-house turbojet propulsion and an ITAR-free European technology stack, it supports sovereign production, integration, and lifecycle control for European and partner customers.



Vorexon

Layered interceptor with terminal and midcourse interception capability

- Active radar seeker with midcourse correction
- Operator-commanded launch and target selection with autonomous terminal homing
- Integrated canister launcher, vehicle-mounted or fixed

CLASSIFICATION	Medium-range interceptor missile
ROLE	Point & area defence
RANGE	20+ km
SPEED (DEVELOPMENT TARGET)	Mach 2.5
PAYLOAD	8 kg

Mission

ENGAGEMENT	Radar-cued interception with midcourse correction and autonomous terminal homing
TARGET SET	· Rocket artillery · Simple ballistics · Glide bombs

Technical data

LAUNCH	Integrated canister launcher (vehicle-mounted / fixed) with radar integration
GUIDANCE & NAVIGATION	INS / IMU with radar-cued midcourse correction
TERMINAL GUIDANCE	Ku-band active radar seeker



OPERATIONAL ROLE

The short-range configuration provides autonomous point defence through sector-directed launch and autonomous terminal homing, reducing reliance on dedicated fire-control radar systems.

The medium-range configuration adds radar-cued midcourse correction ahead of an autonomous terminal phase, with target selection and launch under operator command.



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