FLY-R

AERO COMPOSITES INNOVATIONS

R2-HSTD

High Speed Target Drone

- Fully autonomous
- Optionally remote controlled
- Low cost operation

- High operational availability
- No external rocket needed
- Large speed range

- High manoeuvrability
- Land or ship based

afaq ISO 9001 Qualité AFNOR CERTIFICATION

afaq EN/AS/JISQ 9100 Aéronautique AFNOR CERTIFICATION

M 0.65
Max speed

1 hour
Endurance

60 km
(LOS)

Pilot
Optional

Automatic
Take-off & landing / recovery

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R2-HSTD

R2-HSTD is a fully autonomous system based on the unique rhomboidal wing configuration with the advantages of aerodynamic efficiency, reduction in size of wingspan and structural strength.

The rhomboidal wing is a breakthrough technology in aeronautics.

Technical specifications & Ancillaries

Dimensions (W x H x L)	2430 x 420 x 1970 mm
MTOW	90 kg
Max payload	15 kg
Power plant	Single gas turbine Max thrust: 900 N
Speed range (at MTOW)	M 0.08 - M 0.65
Launch speed (at MTOW)	< M 0.08
Launch method	Pressure mobile launcher
Operating range	60 km (with LOS communication)
Endurance	1 hour (at cruise speed 130 km/h)
Ceiling	4000 m

- Autonomous or optionally remote piloted
- Automatic take-off and belly landing
- Optional net or parachute recovery (minimum parachute altitude recovery 10 to 20 m)
- LOS bi-directional data link
- Typical payloads: IFF transponder / Tracking flares / IR and radar chaff decoy dispensing / Lüneburg lenses / Active radar augmenters / MDI
- Launcher system without pyrotechnic device No external thrust (rocket) needed

Specially designed for

As a High Speed Target Drone, the R2-HSTD's aerodynamic design and unmatched performances make it the best choice to provide simulated aerial threats for ground to air training, surface to air training, and air-to-air combat training, at a reduced cost of operation.

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