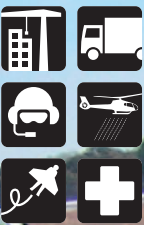


AIRQUAD ONE series



AVAILABLE IN 2020



SECTORS

- Extreme sports
- Private pilot
- Transport companies
- Private & public Security Forces

APPLICATIONS

- Extreme Sports & Leisure
- In-city parcel transportation
- Robotic maintenance
- Active defence
- Heavy static heavy lift

SPECIFICATIONS

- MTOW from 100Kg to 250Kg (Civilian) and 500Kg (Defence).
- Flight time: 20 to 45 minutes
- Linear flight speed: up to 80 Km/h
- Altitudes: up to 10 000 ft.

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United Kingdom



Electric VTOL Turbofan

Static thrust optimised turbofan for VTOL operations with limitation to low speed 25km/h to 50km/h in linear flight*.

Electric Semi-Dynamic Turbofan

Static thrust operations with lower VTOL optimisation and linear flight operation (quasi-dynamic regime) 50km/h 100km/h**.

Regarding terminology

We use indistinctly electric ducted fan (EDF) or electric turbofan (ETF). In some legal documents (-ie patents, etc..) we do use the term EDF. In our view the major difference is that an EDF has no shaped inner turbine shroud while an ETF has a specifically calculated shaped shroud. At Neva we are designing ETFs rather than EDFs.

About Multi-stage ETFs

We design and manufacture two types of electric turbofans (ETFs). The first is a rotor-stator design referred to as "one-stage" and the second type of design is a twin-rotor counter rotating configuration referred to as "two-stage". The net torque exerted by the turbine is optimised to be zero at a certain operating regime in the one stage design. In the two-stage design the net torque can be controlled conveniently by adjusting the power-ratio associated with the right and left-handed rotors.

(*) measured and estimated; (**) Estimated.



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Neva is a European Consortium and leader in electric aviation for Unmanned Air Systems (UAVs). Our customers benefit from Consortium Members' best-in-class expertise, experience, facilities and resources. We count 100+ people with engineers, workshops & offices in UK, France, Germany, Lithuania.





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OEM TURBINES



ESP ELECTRIC TURBOFANS (ETF)

- Plug & Play
- Maintenance schedule
- Time-meter (Hobbs-meter) ESC*
- Competition grade ESC
- Highest thrust density on the market for static thrust
- Highest efficiency turbines on the market for static thrust
- Compatible with all flight controllers
- Quality controlled
- 10 Years maintenance plans

Two versions for all turbines:

- LT25 market with composite turbine body
- Aero-market with carbon composite turbine body

(*) depending on versions



Athena Series
From 2.5Kgf to 4Kgf



Hermes+ Series
From 5Kgf to 8 Kgf

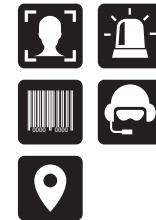


Ceres Series
From 9Kgf to 15Kgf



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CYCLOPE series



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SECTORS	APPLICATIONS	SPECIFICATIONS
<ul style="list-style-type: none"> • Warehouse management • Surveillance • Defence • Cartography 	<ul style="list-style-type: none"> • Indoor & Outdoor • Warehouse inventory • barcode reading • Sites surveillance • Face recognition • Construction inspections • On-board-package (car, truck, aircraft) 	<ul style="list-style-type: none"> • MTOW from 1.5Kg to 2.5Kg • Flight time: 15 to 30 minutes • Web drone-fleet management • SAP WMS, Oracle OWM, EAM Maximo IBM and custom connectors • Geolocation indoor & outdoor • 24/7 operation with battery switch pod • Maintenance plan & leasing

EOLE series



AVAILABLE NOW !

SECTORS	APPLICATIONS	SPECIFICATIONS
<ul style="list-style-type: none"> • Warehouse Operations • Aerial spraying • Transportation • Active security • Defence 	<ul style="list-style-type: none"> • In-city parcel transportation • On site stock management • Aerial spraying • Active defence • Static heavy lift 	<ul style="list-style-type: none"> • MTOW from 6Kg to 25Kg (Civilian) and 50Kg (Defence). • Flight time: 15 to 30 minutes • FLIR IR camera – Duo / Pro-R • From X40 to X83 Zoom camera • Digital Imaging Stabilization (DIS) • Mechanical gimbal and digital stabilization

VLINDER series

SECTORS

APPLICATIONS

SPECIFICATIONS

<ul style="list-style-type: none"> • Warehouse operations • Agriculture • Transportation • Active security • Defence 	<ul style="list-style-type: none"> • In-city parcel transportation • On site stock management & transportation • Aerial spraying • Robotic maintenance & inspection • Active defence • Construction support • Renewable construction 	<ul style="list-style-type: none"> • MTOW from 25Kg to 150Kg (Civilian) and 150Kg (Defence). • Flight time: 20 to 40 minutes • 24/7 Operations: automated battery Switch or Tethered mode • FLIR IR Camera – Duo / Pro-R • From X40 to X83 Zoom camera • Robotic AI & robotic arms
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AVAILABLE IN 2019

