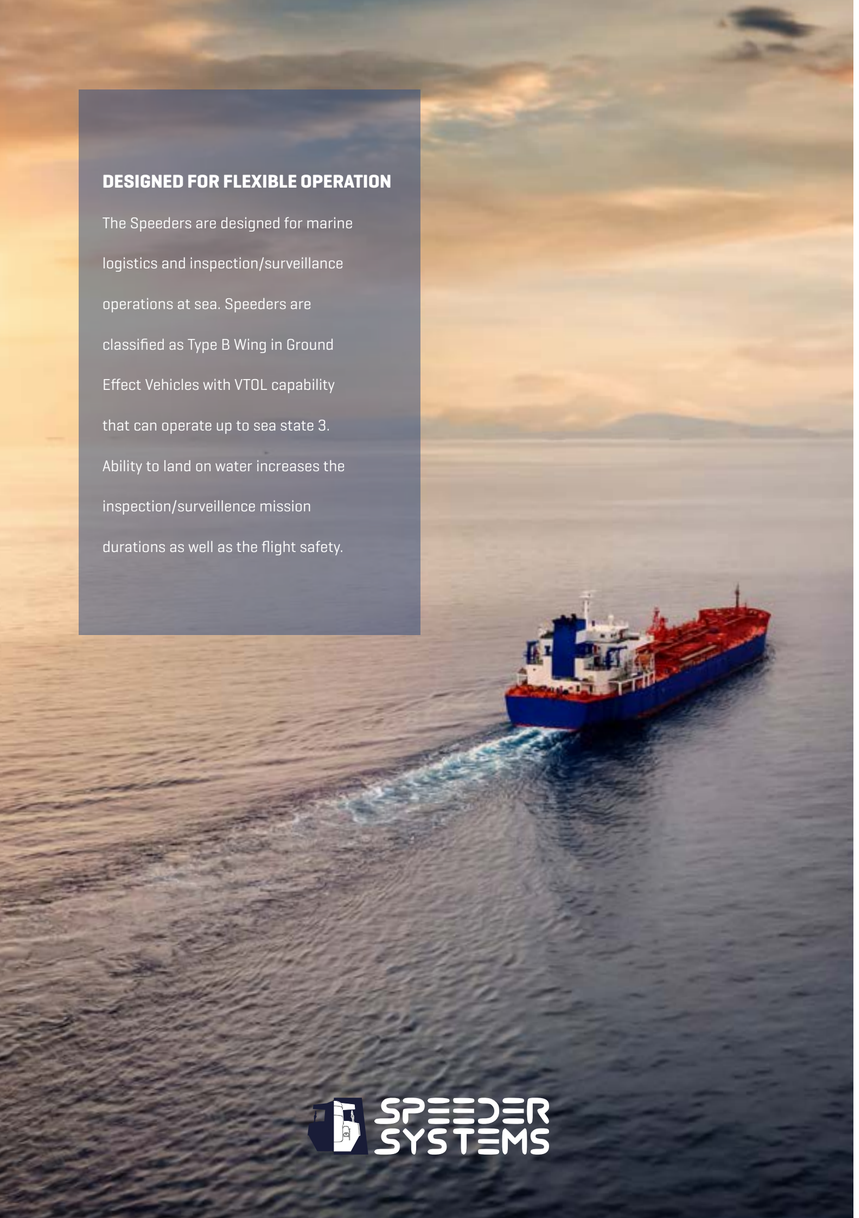


DESIGNED FOR FLEXIBLE OPERATION

The Speeders are designed for marine logistics and inspection/surveillance operations at sea. Speeders are classified as Type B Wing in Ground Effect Vehicles with VTOL capability that can operate up to sea state 3. Ability to land on water increases the inspection/surveillence mission durations as well as the flight safety.

SPEEDER SYSTEMS

THE ADVANTAGES

Faster to Certify & Upscale

Ground-effect vehicles are more efficient as they get bigger. Certified within maritime regulations.

6X Cost Effective

Ground-effect efficiencies, electric propulsion, low infrastucture requirement and modular design enables cheap operation.

VTOL & Amphibious

Speeders can take-off/land from naval platforms, sea surface, helicopter pads and flat surfaces in harbour areas.

Efficient & Best in Class Range

Ground effect makes Speeders up to 40% more efficient in aerodynamics.

Low Emissions

Hybrid electric propulsion provides 60% lower emissions compared to surface vessels or 99% lower than manned helicopters.

SPEEDER SYSTEMS

info@speedersystems.com | www.speedersystems.com

Speeder Systems B.V.
Machineweg 3D-5
1432 EK Aalsmeer
Netherlands

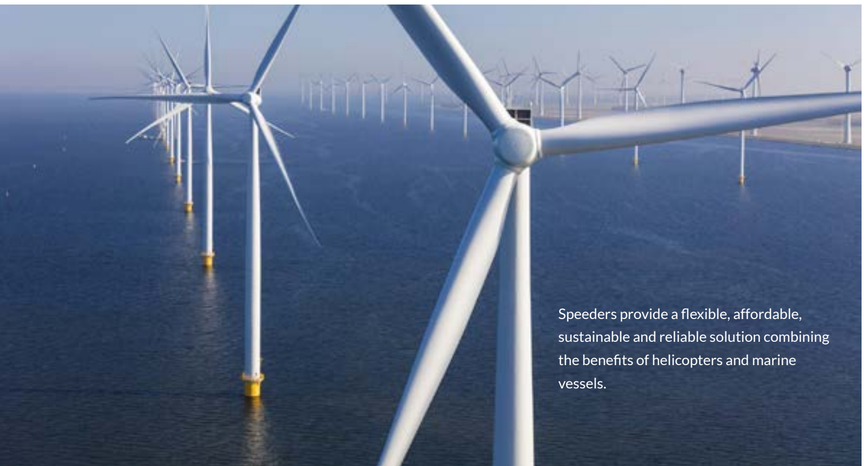
Speeder Systems Ltd.
16 Bronte Way, SO19 7JG
Southampton
United Kingdom

AGILE MARITIME TRANSPORTATION

SPEEDER SYSTEMS

THE CONCEPT

Sending a 17kg package to a wind farm may cost 5000€+ while the helicopter generates hundreds of kilograms of CO2. Speeders; designed by Speeder Systems can do the job cheaper, faster and cleaner.



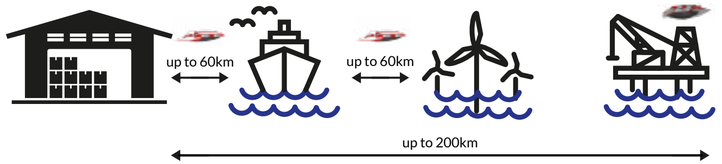
Speeders provide a flexible, affordable, sustainable and reliable solution combining the benefits of helicopters and marine vessels.

USE CASES

Ship to Shore Operations:
Logistics, Medical Delivery, Search & Rescue

Wind Farm Operations:
Logistics, Inspections, Emergency checks (fire, damage, etc.)

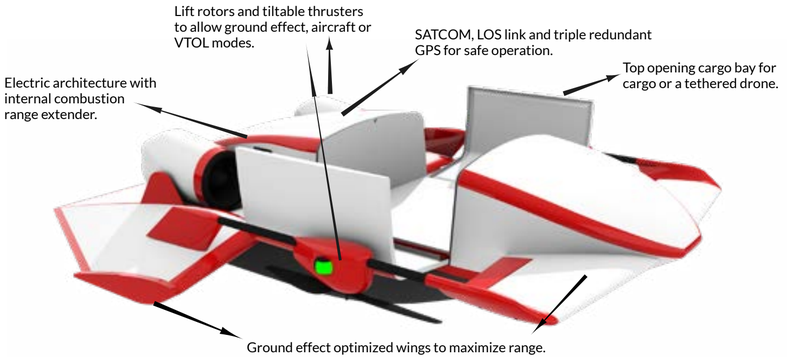
Oil Rig Operations:
Logistics, Inspections, Environmental Monitoring, Medical Delivery



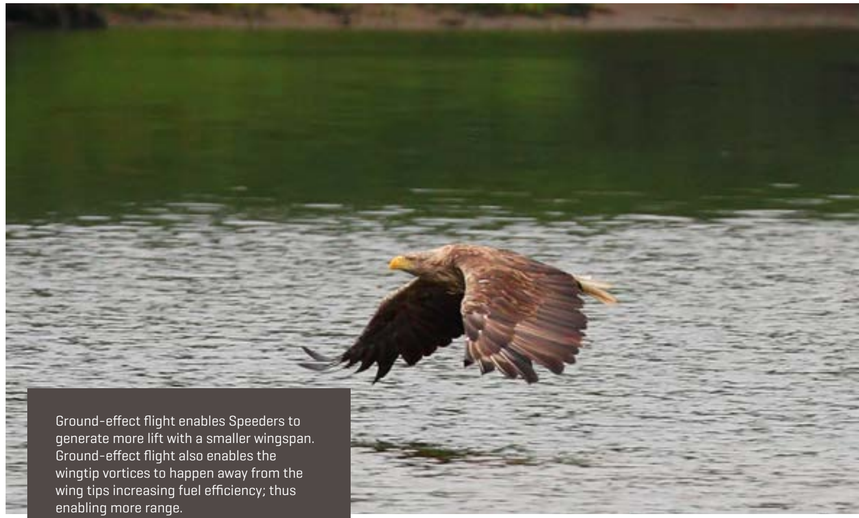
CHALLENGES TODAY

- Specialized logistics: CTVs and helicopters are highly specialized, therefore costly logistiscs.
- Distance to shore: For inspection and logistic operations, range problems require rental of specialized boats- extra cost.
- Distributed locations: The locations are away from each other making timely and cheap operations difficult.
- High wind conditions: Low speed drones cannot operate in high wind conditions which reduces their ground speed up to %60.

THE S30

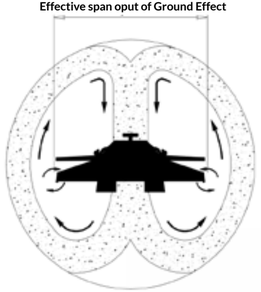


GROUND EFFECT



Ground-effect flight enables Speeders to generate more lift with a smaller wingspan. Ground-effect flight also enables the wingtip vortices to happen away from the wing tips increasing fuel efficiency; thus enabling more range.

Effective span oput of Ground Effect



Effective span oput in Ground Effect