Kietta

RAV | RECORDING AUTONOMOUS VEHICLE FOR UNMANNED MISSIONS

APPLICATIONS

- Primarily designed for seismic surveys in all types of seas and lakes, the RAV has the capability to work 24/7 with one of the longest autonomy in her category,
- The RAV can receive additional payload for dedicated Client's applications.

BENEFITS

- Unmanned missions,
- Client's payload can be installed:
  On the mast (cameras, ...),
  On the deck,
  Inside onboard electronic compartment,
- Inside the keel (ADCP, LIDAR, USBL, ...),
  At the end of the umbilical,
  Low noise emission underwater.

KEY FEATURES

- Designed as a tugboat(1),
- Up to 41 days autonomy(2),
- Permanent remote control communication with the control center,
- Real time data harvesting,
- Winch with 400 m umbilical,
- Several RAVs can operate simultaneously,
- Foldable mast.

(1) - 3 tons bollard pull, (2) - subject to use and sea conditions

SAFETY

- High level of redundancy,
- Iridium telecommunication for ultimate control and command,
- Robust design with survival capacity in extreme conditions.

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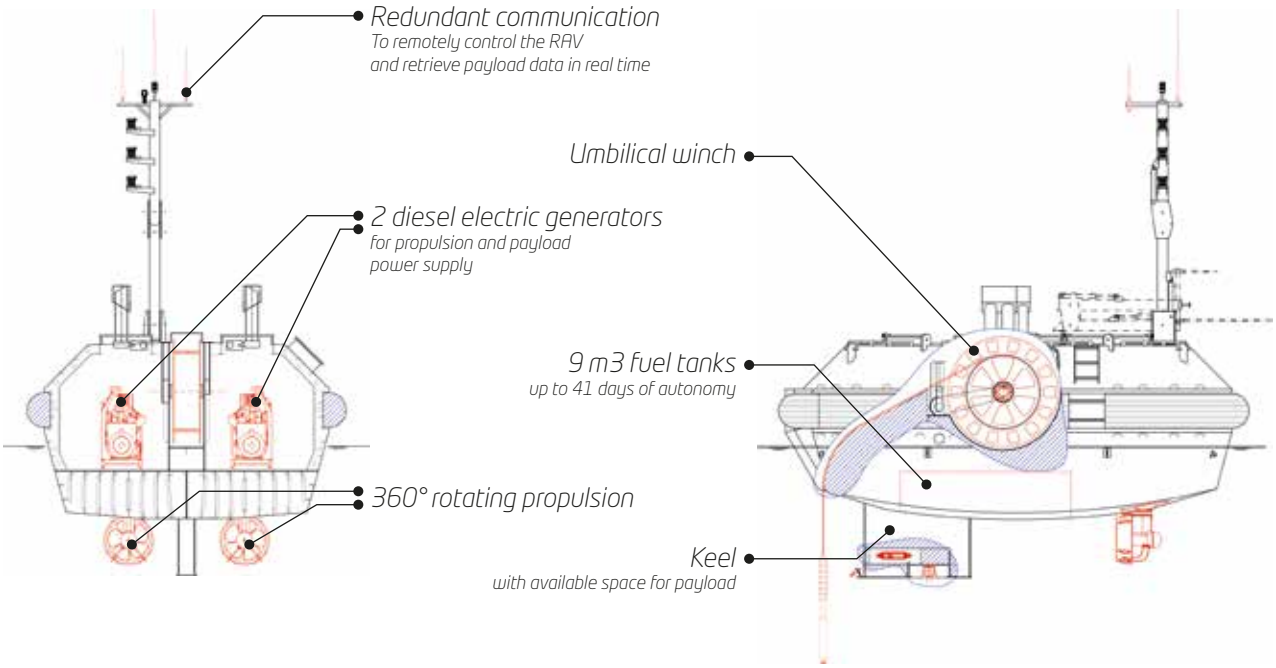

GENERAL SPECIFICATIONS

Overall size: L x l x H	8.20 x 5.5 x 4 m (bottom keel to deck)
Mast height	5.8 m
Draft	2.4 m
Weight	21 tons
Autonomy	41 days (subject to use and sea conditions)
Power	2 x 100 kW diesel electric generators
Propulsion	2 x azimuthal thrusters
Bollard pull	3 tons
Winch (pulling capacity)	Up to 4.5 tons
Sailing speed	Up to 5 knots
Compartment	3 (electronic room, engine room and thruster room)
Current profiler	300 kHz Workhorse Sentinel ADCP
Positioning	GNSS (PPP) with INS
Radio links	Iridium, UHF, 2.4 and 5 GHz
Others	Anemometer, NTP server, deck camera

CLIENT'S PAYLOAD OPTIONS

Umbilical	400 m armored cable with data fiber optic and power wire
Keel	Integrated compartment inside the keel.