## W\_STESHARK-



Designed to clear unwanted debris Plastics, general trash Oils and other pollutants Pest flora: algae, duckweed, water hyacinth, etc

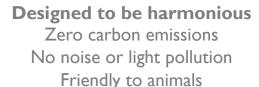


Designed for urban water Compact, agile, lightweight, transportable Navigates confined spaces & tight angles Quiet and unobtrusive





Designed to collect data Above or below water Live stream to your Smart City Enabling evidence-based management



Designed to be powerful





## WSTESHARK

Size 1556 x 1078 x 450 millimetres

Tare 50 kilograms

Buoyancy 400 kilograms

Payload capacity 350 kilograms

Storage capacity 200 litres by volume

Cruising speed 10-12 km/hr

Thrust 5.1 kgf forward (4.1 kgf reverse)

Swim time Up to 8 hours per battery charge

Power source LiFePO4 rechargeable battery

Hull Maritime-grade polymer

Operating environment 0-60° Celsius ambient, waves & swells to 1.25m (Douglas scale 3)

Useful life 5 years expected minimum (with daily use)

Greenhouse emissions Zero

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## WSTESHARK

	Class A: remote control	Class B: autonomy level I
steering & navigation	Human brain (with handheld device)	Autonomous: defined path or random walk
collision avoidance	Human brain	Automated
connectivity	Radio frequency	TCP/IP secure wifi
telemetry	Battery level, payload capacity	GPS, battery level, payload capacity
data collect & stream	External devices only	Sensor array on board, customised
effective range	1,000 metres line of sight	5,000 metres
return to home	Human brain	Automated
waste collection	Human brain	Automated









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## WSTESHARK

Oliver Cunningham of RanMarine and Sir Robert Syms MP BBC interview, 22 June 2018 Parkstone Bay Marina, Poole











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