

NAV-45

150 nm | 25 kn | Fully Electric

Payload Flexibility

Modular interfaces for quick integration of mission-specific sensors and equipment

Fully Autonomous

Autonomous routes and obstacle avoidance, executing missions with human-out-of-the-loop

EU-made

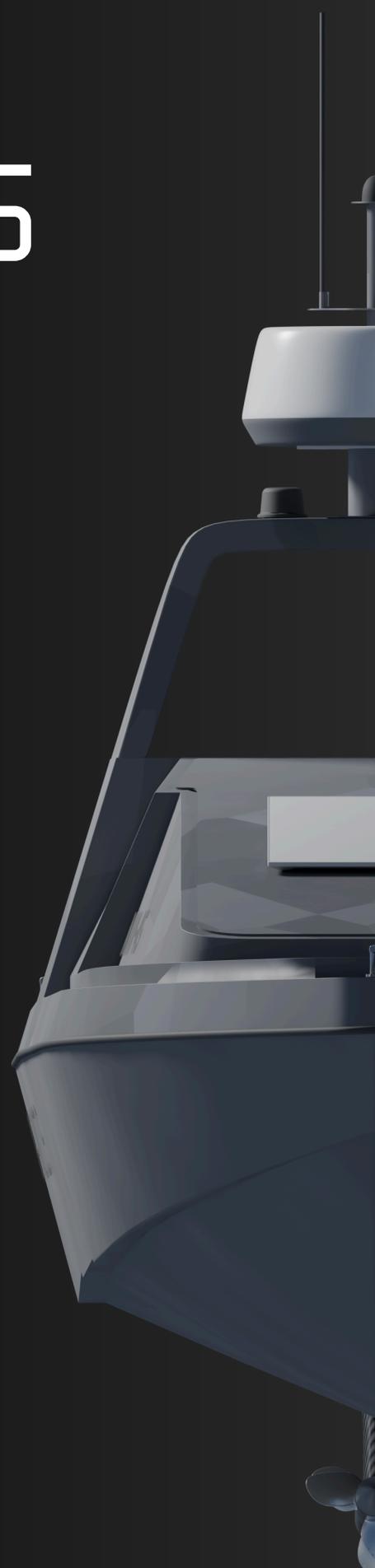
European design and supply chain, with reduced export and ITAR constraints

Fleet-as-a-Service

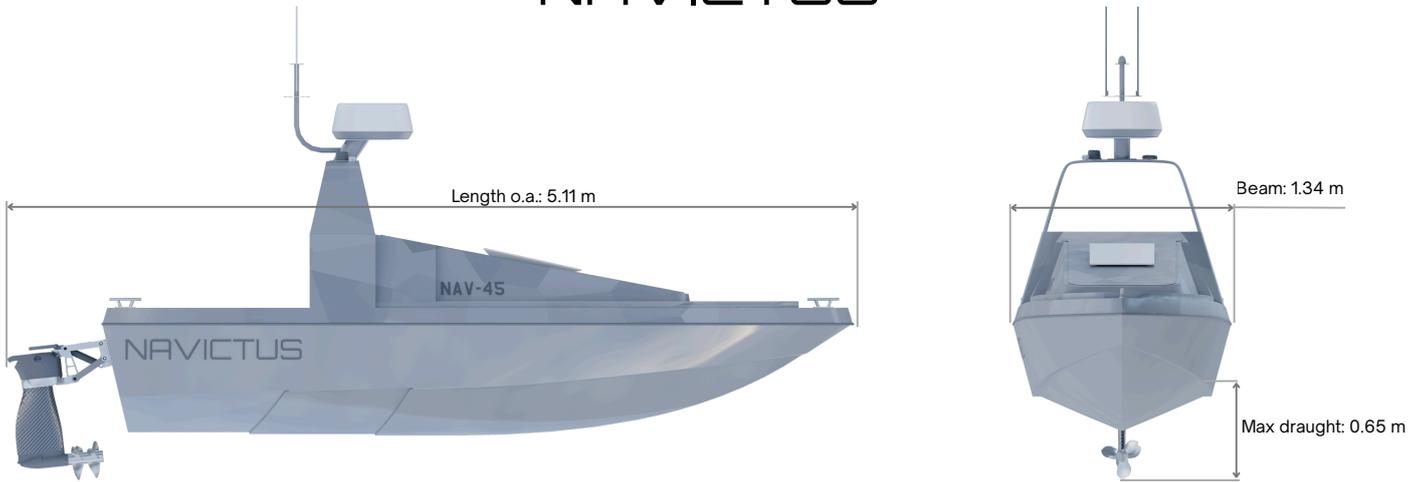
Lease the platform with a Navictus operator to execute a defined mission, no ownership required

Coastal Surveillance

Built for persistent coastal patrol and real-time situational awareness



NAVICTUS



FEATURE	DESCRIPTION	STANDARD	OPTIONAL
Maximum Sustained Speed	25 knots	✓	
Autonomy	10 days	✓	
Range	150 nautical miles	✓	
Battery Type	50 kWh lithium-ion custom battery pack (520 Ah)	✓	
Additional Battery	Increased range up to 250 nautical miles		✓
Photovoltaic Panels	Provides supplemental power to increase loitering endurance		✓
Maximum Operating Weight	450 kg	✓	
Payload Allowance	Up to 75 kg and 1500 L in volume	✓	
Propulsion	Counter-rotating propeller electric outboard, 40 hp	✓	
Bow Thruster	For precise slow speed navigation	✓	
Available Onboard Power	Regulated 12/24/48 VDC buses rated to 5 kW	✓	
Sea State (Beaufort Scale)	6	✓	
Inertial Navigation System	Ensures precise, COLREG-compliant navigation	✓	
Swarm Capabilities	Operate several USVs for scalable operations	✓	
Multibeam Sonar	Enables subsurface SLAM for GNSS-denied environments		✓
AIS & Maritime Radar	Cooperative identification for nearby contacts	✓	
Line-of-Sight (LOS)	Secure high-bandwidth datalink using MN-MIMO Radio	✓	
Beyond Line-of-Sight (BLOS)	Encrypted SATCOM	✓	
Smart VHF	Text-to-speech and speech-to-text for communication with nearby vessels		✓
Cameras (EO & LWIR)	Continuous 360° all-conditions situational awareness	✓	
PTZ EO/IR Camera	Stabilized multi-spectral imaging module		✓
Remote Kinetic System	Platform-mounted for precision engagement under operator control		✓
UAV Deployment	Supports integrated stern launch capability		✓
Launch & Recovery (LARS)	Interface for launch and retrieval operations from larger vessels		✓

