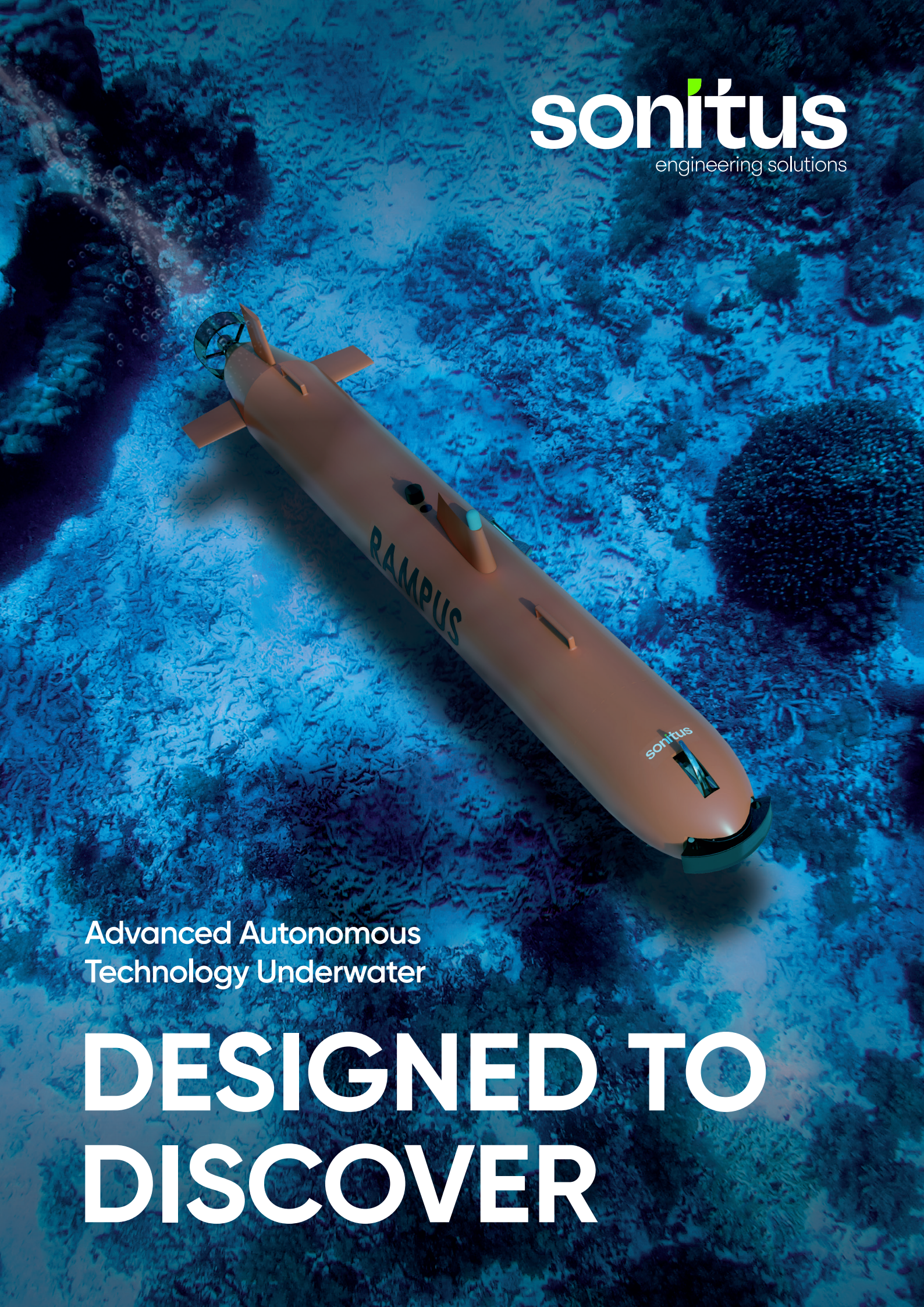
sonitus
engineering solutions



Advanced Autonomous
Technology Underwater

DESIGNED TO DISCOVER

SONITUS Engineering, with its Office in Istanbul Technopark, one of the most important technology bases of Turkey, carries out its great work with a high sense of sensitivity.

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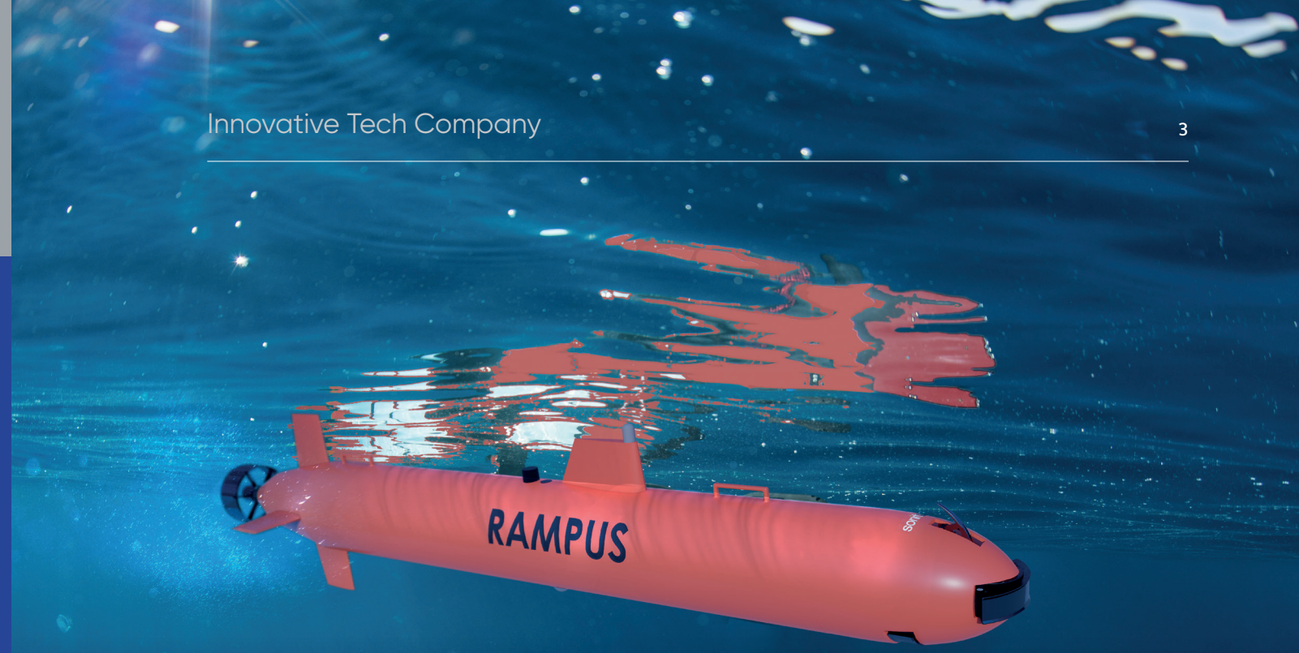


“Sonitus Engineering Consulting Inc., based in Istanbul Technopark, one of the most important technology bases of Turkey, conducts its activities with confidentiality and a high sense of sensitivity. Sonitus adds significant value to our country's economy with its factory equipped with modern technology in Kocaeli İMES Dilovası Organized Industrial Zone under the roof of "Aras Marine Investment Holding"

Sonitus Engineering Consulting Inc. develops high-tech products and innovative engineering solutions in many fields of the defense, maritime, and aviation industries specific to customer needs while comprehensively analyzing target market and technology trends.

Sonitus Mühendislik Danışmanlık A.Ş., thanks to its wide range of competencies covering almost all the current technologies used in the industries it serves, is in the position of solution partner of the big players of the sector.

Advanced Autonomous Technology Underwater

Rampus, a high-tech and versatile reconnaissance and operation vehicle, manufactured to conduct its operations up to a depth of 1000 meters on predefined route, by remote control within its range, or autonomously out of range

The launch and retrieval system of the vehicle is designed as such to be launched into the water from the aircraft, or to operate on the stern of the ship, or on the open decks of offshore platforms. Rampus can be customized for different military and civilian requirements.

Rampus, an autonomous underwater vehicle capable of performing various tasks, can be used for scientific research, mine detection, environmental protection studies, energy resource exploration and maritime security. It also provides labor and cost savings while increasing human

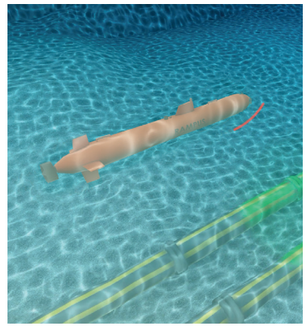
Features and Function of Rampus

Rampus, an autonomous underwater vehicle capable of performing various tasks, can be used for scientific research, mine detection, environmental protection studies, energy resource exploration and maritime security.

AUTONOMOUS MOTION

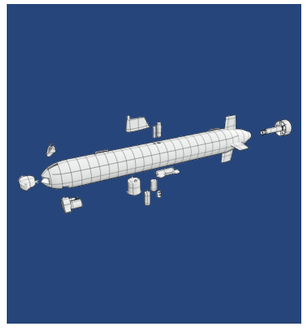
Rampus can perform programmable movements on its own, so that the tasks can be performed without human intervention. Thanks to the GPS, sensors and artificial intelligence technologies, underwater location can be easily detected.

RECONNAISSANCE AND MAPPING:



Rampus, used to explore and map underwater, can identify and collect detailed information about lost plane wrecks, sunken ships, and coral reefs.

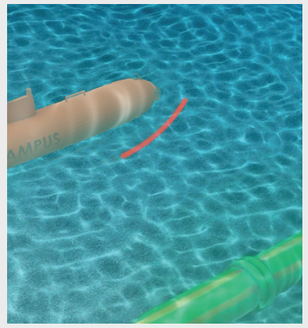
MISSION FLEXIBILITY



Rampus can perform a wide variety of tasks. It can be used effectively in tasks such as intelligence gathering, minesweeping, underwater mapping, search and rescue operations, environmental monitoring, and marine security. Thanks to the modular design, with the integration different sensors and equipment, it can easily adapt to the mission needs.

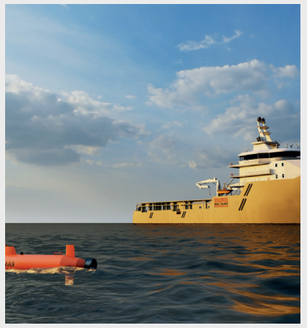
Rampus is designed to operate in harsh sea conditions. The hull structure is sealed for deep water, high-strength material and high-quality components are used. It can operate with energy systems optimized for long-duration missions and can travel long distances.

VERSATILE SENSOR TECHNOLOGY



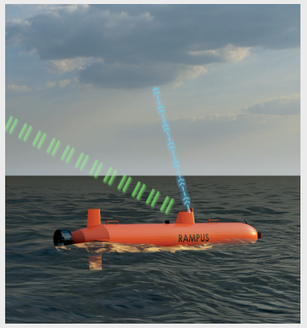
Rampus is equipped with high-end sensors. It can collect detailed data under the water using sensors such as sonar systems, high resolution cameras, thermal imagers, and chemical detectors. The data can be used to monitor environmental conditions, hostile threats and to investigate submarine life.

REMOTE CONTROL AND MONITORING



Rampus can be controlled remotely. Operators can remotely control the vehicle, watch live video, collect data, and manage processes. They can also be programmed in autonomous mode, move on a designated route and follow pre-set instruction to complete tasks. These features allow operations to be performed effectively.

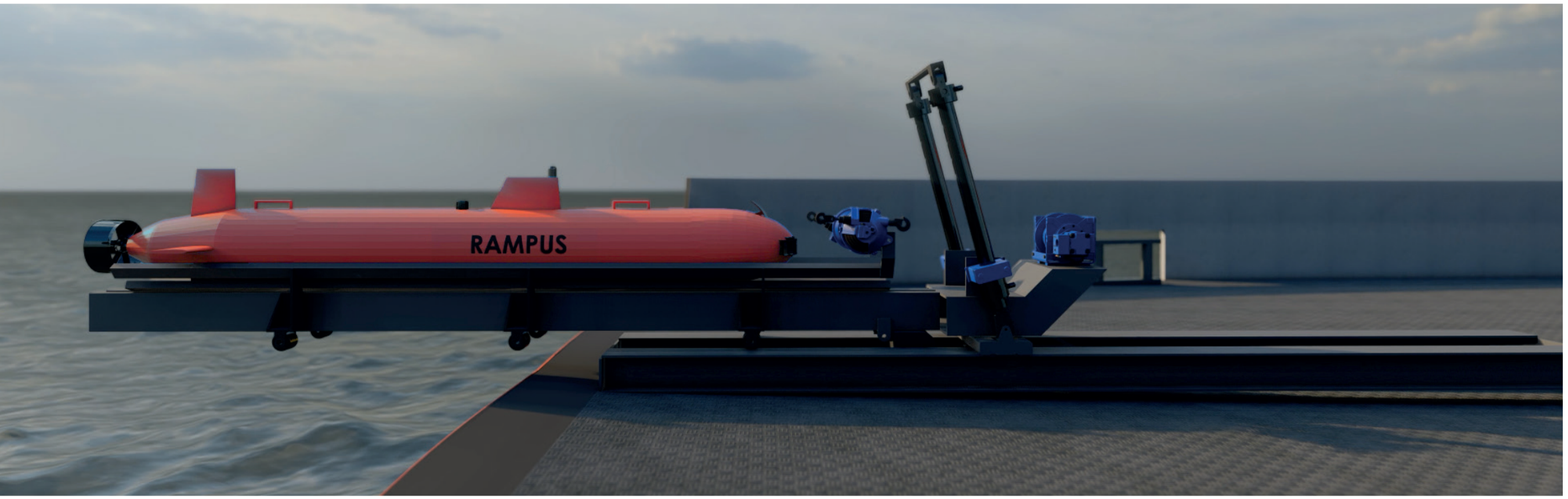
DATA COLLECTION AND ANALYSIS



Capable of collecting and analyzing various data underwater, Rampus can measure parameters such as water quality, temperature, pressure, mucilage, oil spill and underwater life. It can transmit the data quickly and securely. Operators can monitor and analyze data simultaneously. This data is an important tool for identifying targets and hazards and making strategic decisions.

Advantage of Rampus

Rampus, a high-tech and versatile reconnaissance and operation vehicle, manufactured to conduct its operations up to a depth of 1000 meters on predefined route, by remote control within its range, or autonomously out of range.



- High Efficiency and Cost Reduction
- Modular Structure and Hydrodynamic Form
- Secure and Sensitive Data Collection
- Silent Operation and Low Radar Cross Section
- Fast and Accurate Reconnaissance and Research
- Less Human Risk and Interaction
- Remote Monitoring and Control

Area of Usage

Scientific

- Underwater Facility Maintenance and Repair
- Oceanographic Research
- Marine Ecosystem Monitoring
- Hydrographic Surveys
- Seabed Mapping and İmaging
- Debris Field Mapping

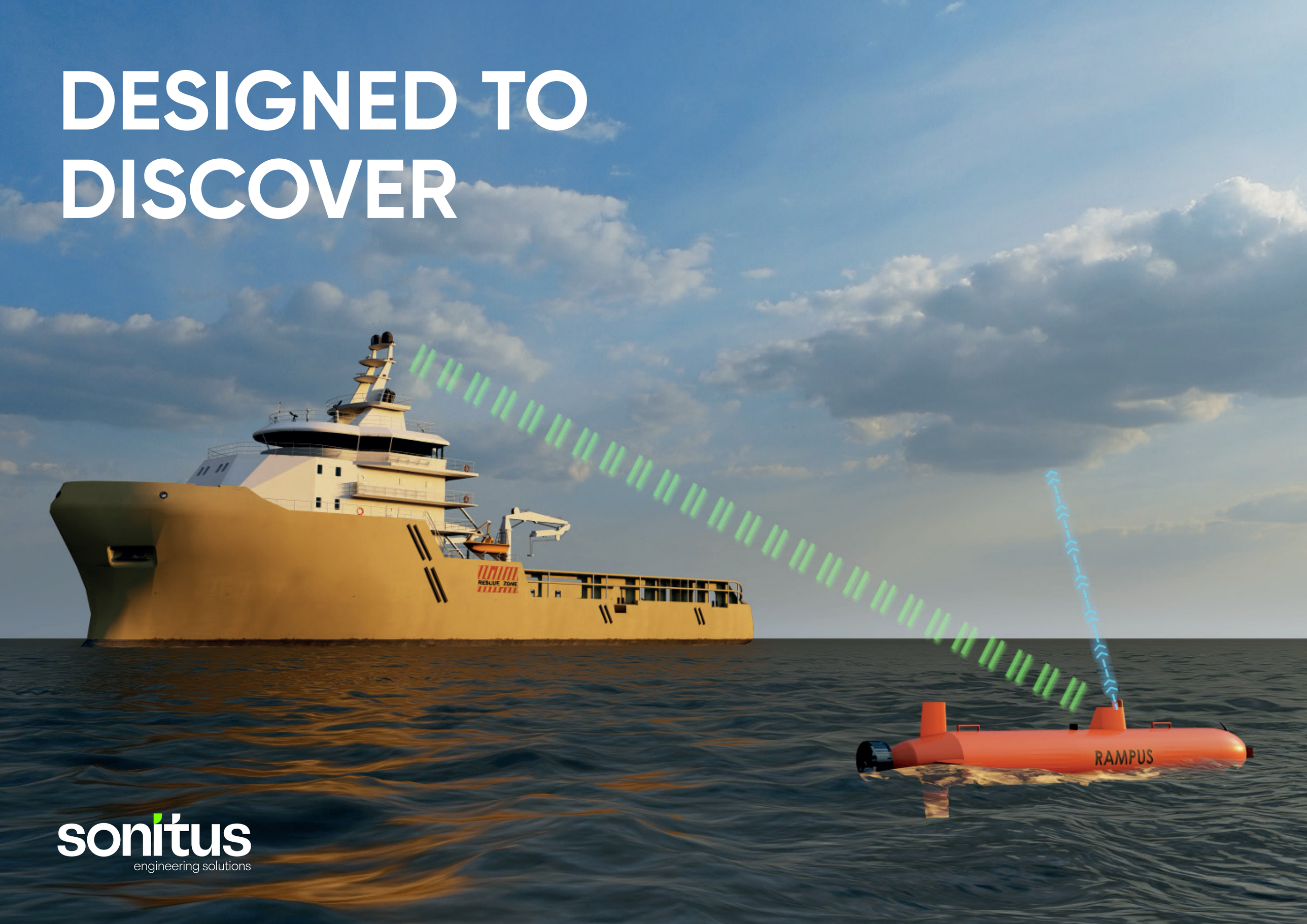
Industrial

- Marine Research
- Pipeline and Subsea Structure Inspection
- Submarine Exploration and Mapping
- Offshore Energy and Resource Research
- Submarine Wreck Search and Rescue
- Debris Field Mapping

Military

- Target Destruction
- Threats Discovery, mines etc.
- Intelligence Gathering and
- Surveillance

DESIGNED TO DISCOVER



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