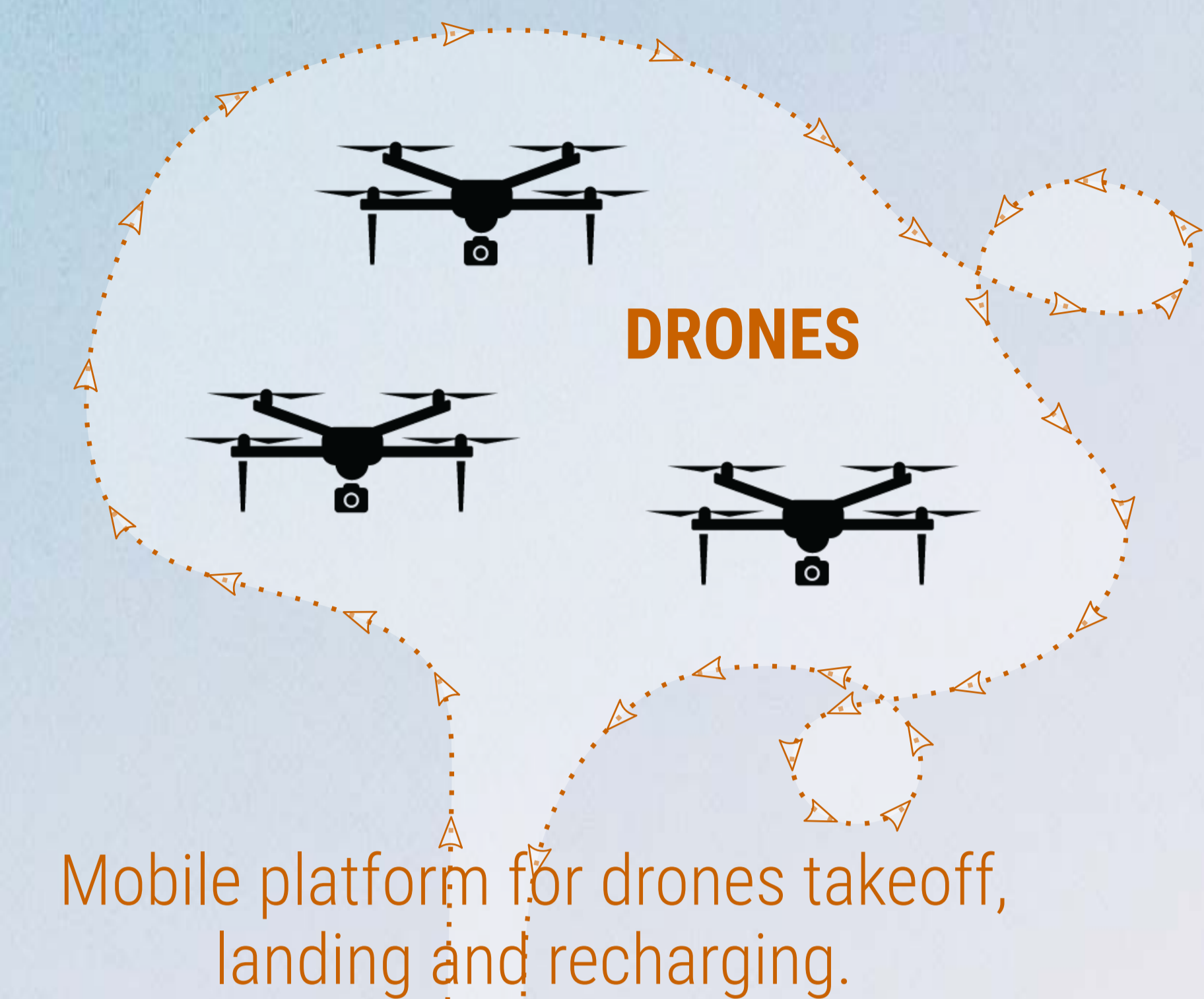
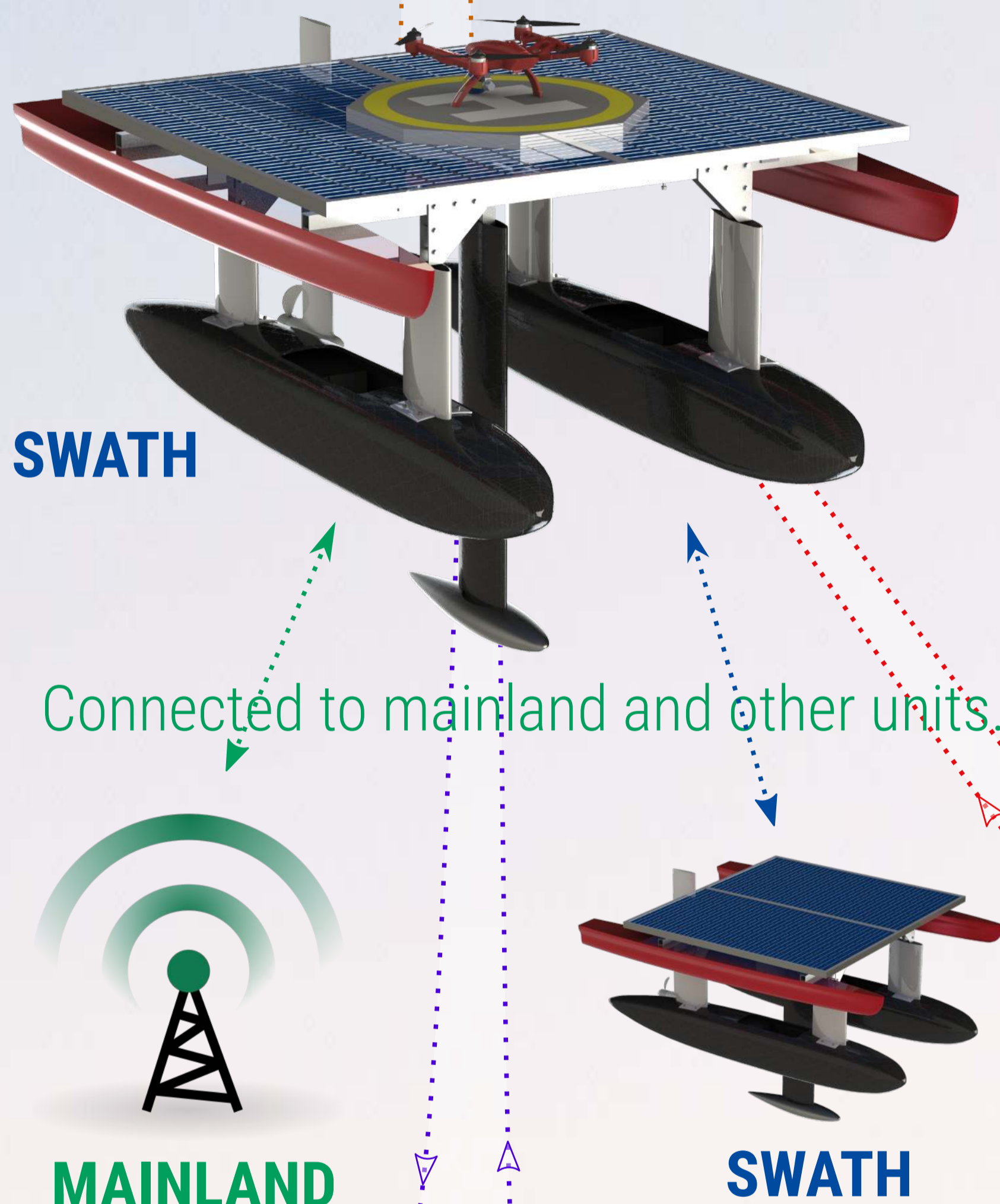


SELF-SUFFICIENT AND AUTONOMOUS SURVEILLANCE



- Applications:**
- Intelligence and surveillance
 - Mine countermeasures
 - Anti-submarine warfare
 - Inspection/identification
 - Oceanography
 - Communication network
 - Payload delivery
 - Information operations
 - Time-critical strikes
 - Search and rescue
 - Oil and ballast leakage detection

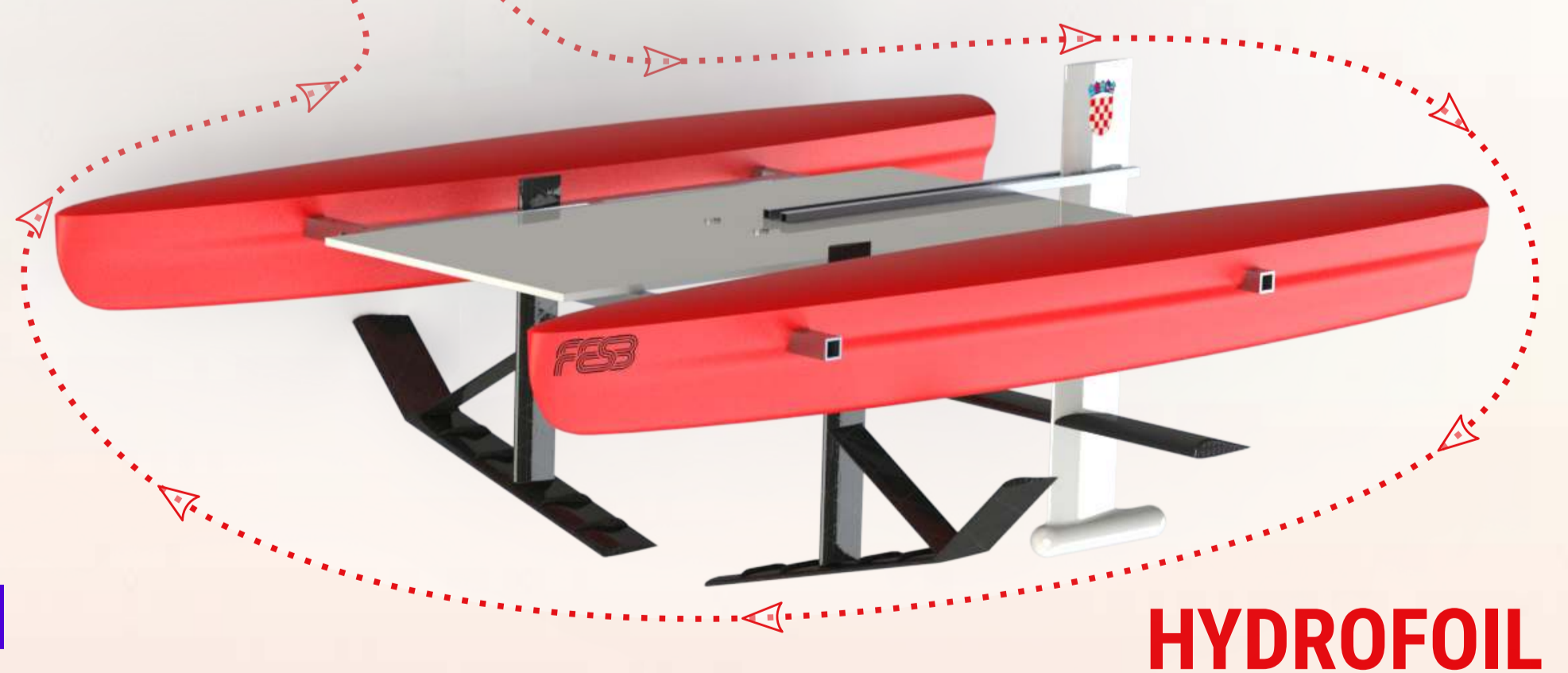


SWATH as an extremely stable vessel serves as the main node of the system, which communicates with mainland, other SWATH units, and its autonomous child units: air drones, AUVs and hydrofoils. Large deck area is used to gather solar energy in order to recharge the child drones. The SWATH may reach speeds up to 10 knots when relocating, but a hydrofoil drone that reaches speeds up to 40 knots is released for time-critical operations. All vehicles are equipped with appropriate sensors: video cameras, infrared cameras, sonars, compasses, depth sensors, thermistors, etc. Besides the border surveillance, a combination of static platform and fast drones may be used in search and rescue operations, as well as for the detection of leakage from commercial vessels. In addition, the system can be used as a replacement for the research and survey vessels, and vessels for drilling and exploration.



Self-controlled for mine counter-measures, coastal monitoring and reconnaissance operations.

A fast and lightweight hydrofoil boat is released for time-critical operations.



Fakultet elektrotehnike, strojarstva i brodogradnje
Sveučilište u Splitu