

# ***MANTAS FLEX IPC***

**June 2015 – FLEX 2016 IPC**

## **Experiment Profiles:**

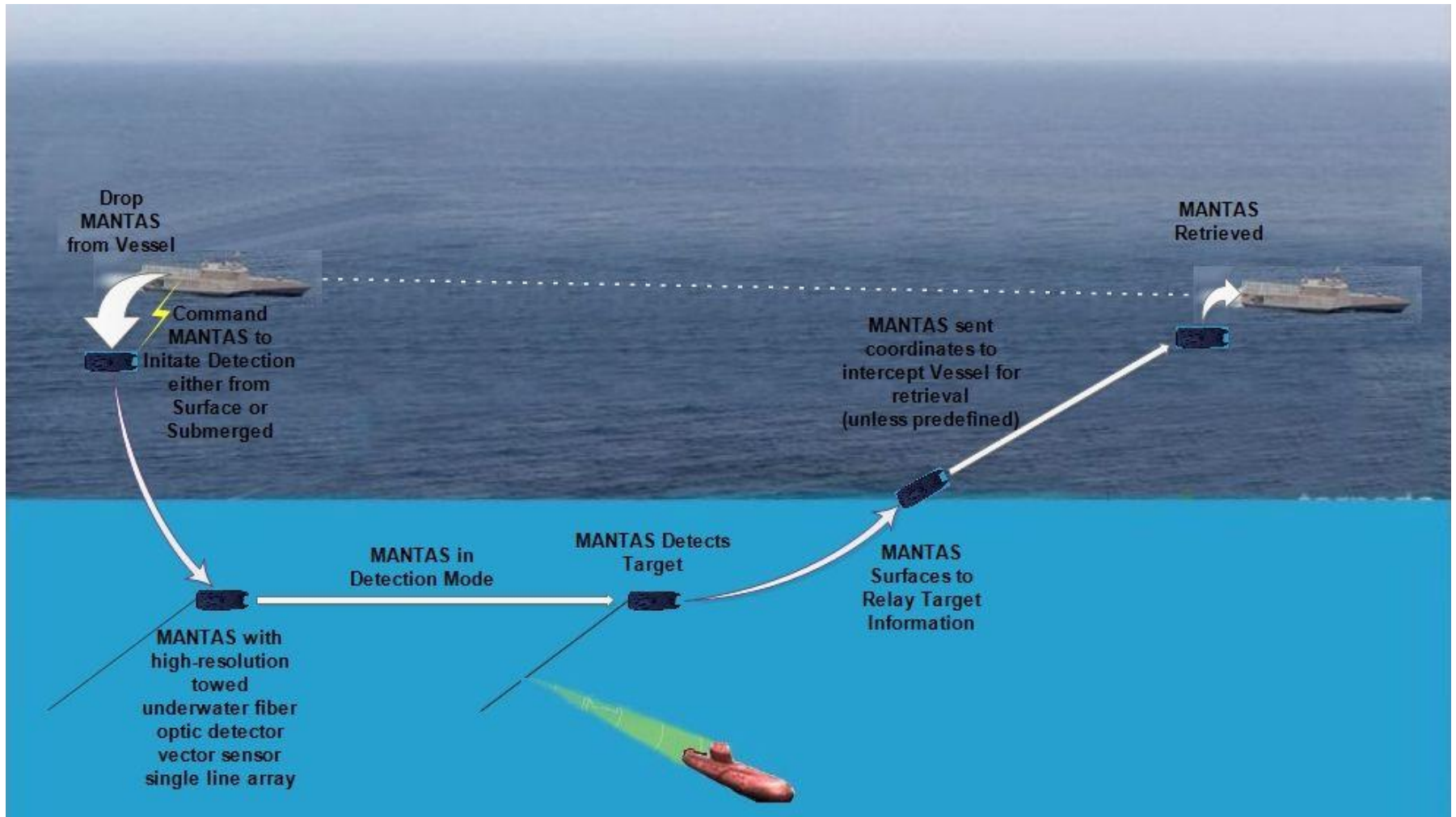
- **ASW Detect Profile – Deploy, Fast Intercept to Detection Area, Operate on Surface or Submerged, Detect, Alert, Return, Retrieve**
- **ASW Submarine Simulator Profile – Deploy, Submerge, Navigate to Defined Location, Wait, Surface, Return, Retrieve**
- **Targets Profile – Deploy, Drag, Shoot, Return**
- **Autonomously/Semi-Autonomously/Remotely Simulate Offensive Swarm Boats**
- **Autonomously/Semi-Autonomously/Remotely Simulate Defensive Swarm Boats**

## **Methods of Deployment:**

- **Drop off a Ship**
- **Subsurface Release**
- **Low Altitude Air Drop**
  
- **June 22,2016 – FLEX/RIMPAC**



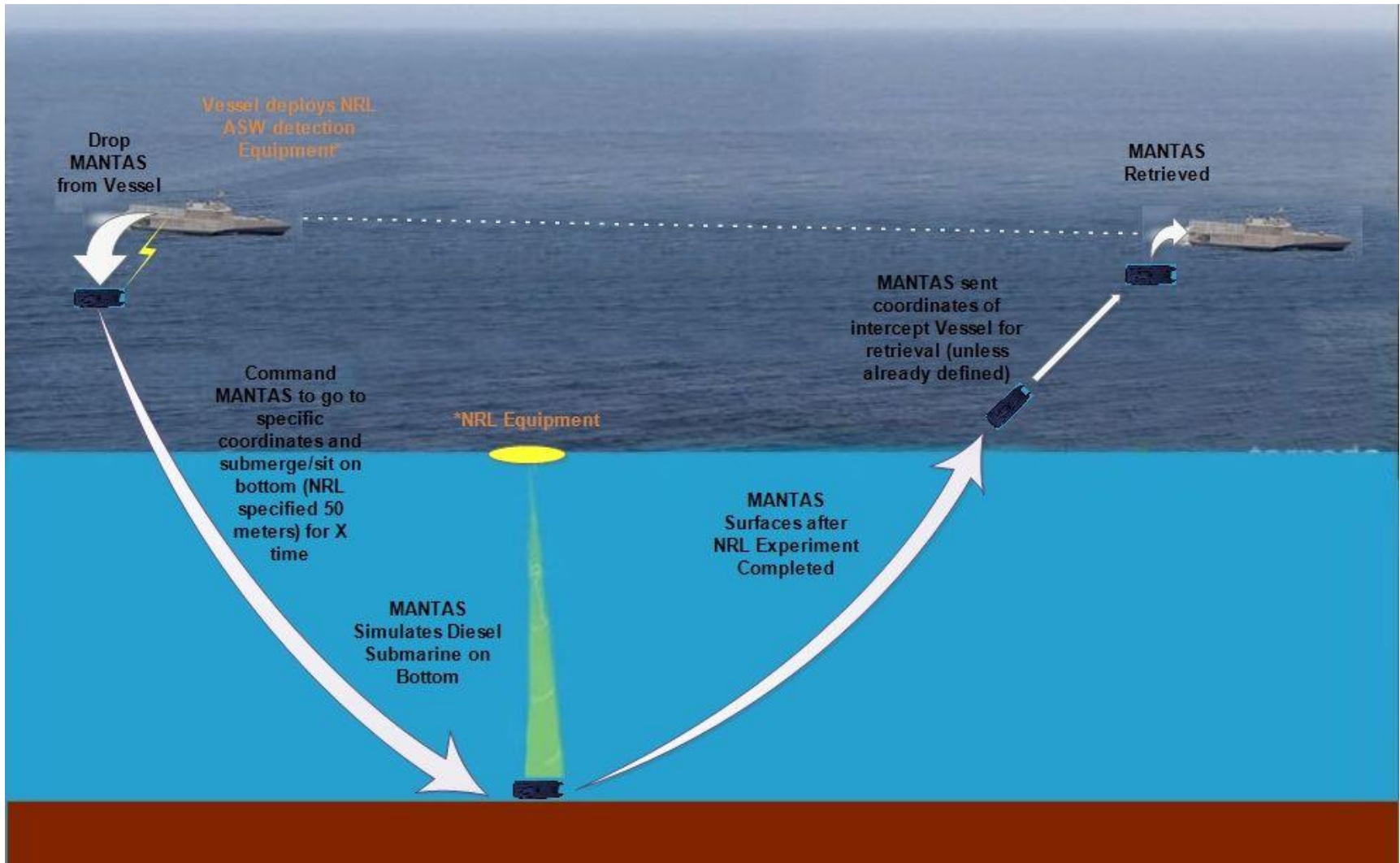
# MANTAS FLEX OV-1 ASW DETECT



Deploy, Fast Intercept to Detection Area, Surface or Submerge, Detect, Alert, Return, Retrieve



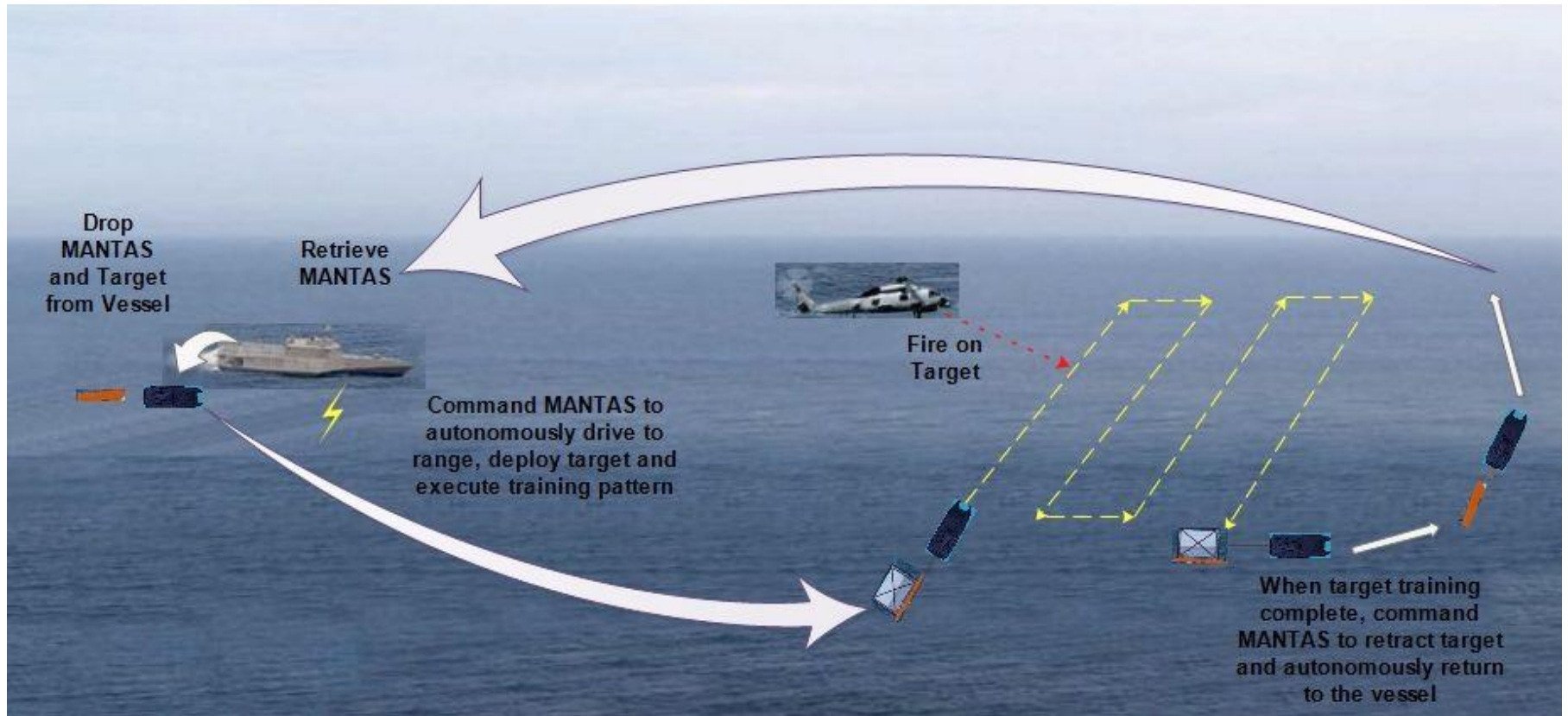
# MANTAS FLEX OV-1 ASW SUB SIMULATOR



Deploy, Submerge, Navigate to Defined Location, Wait, Surface, Return, Retrieve



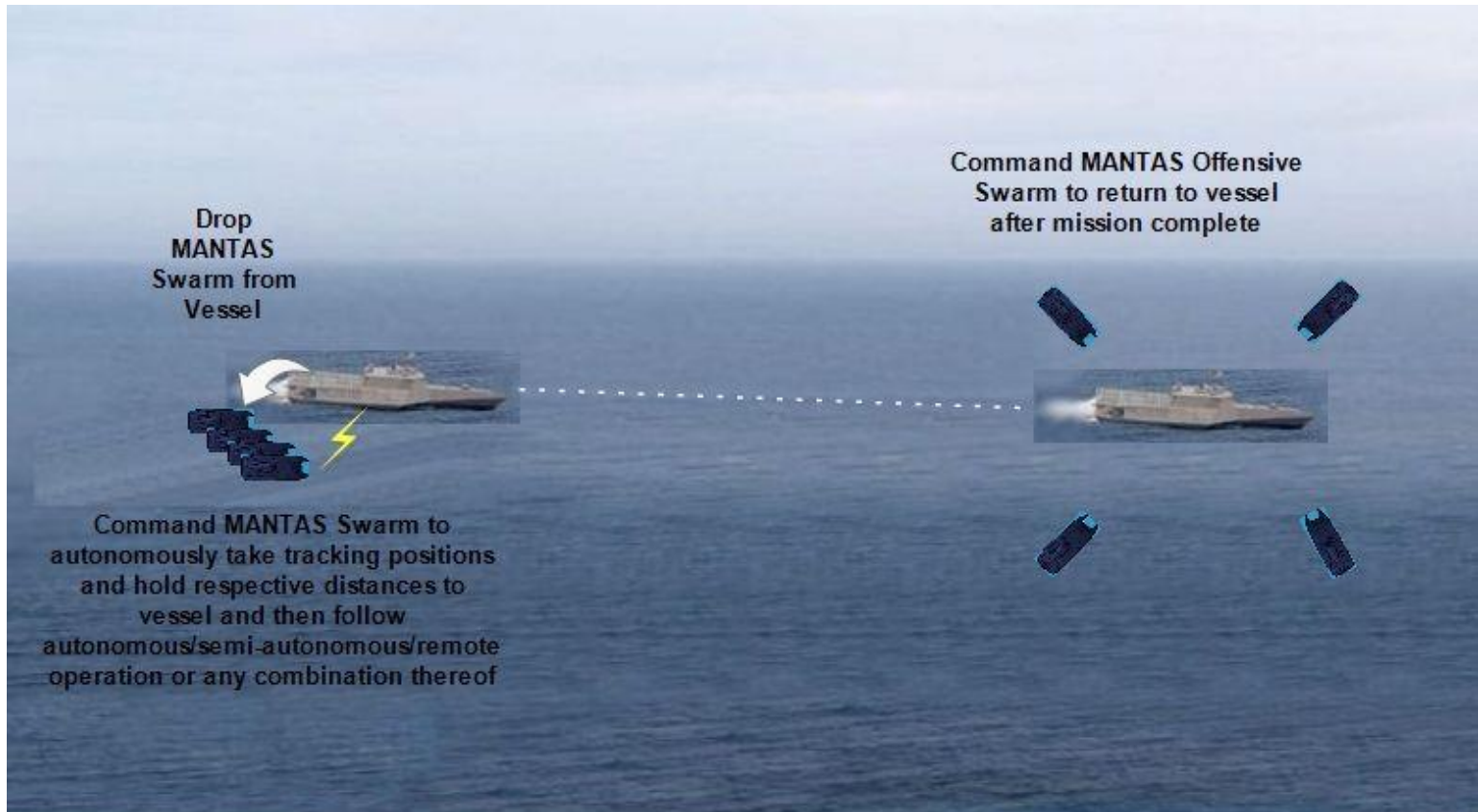
# MANTAS FLEX OV-1 TARGETS



**Drop, Drag, Deploy, Shoot, Retract, Return, Retrieve**



# ***MANTAS FLEX OV-1 OFFENSIVE SWARM***



**Autonomously/Semi-Autonomous/Remote Control  
Offensive Swarm Boats**



# ***MANTAS FLEX OV-1 DEFENSIVE SWARM***

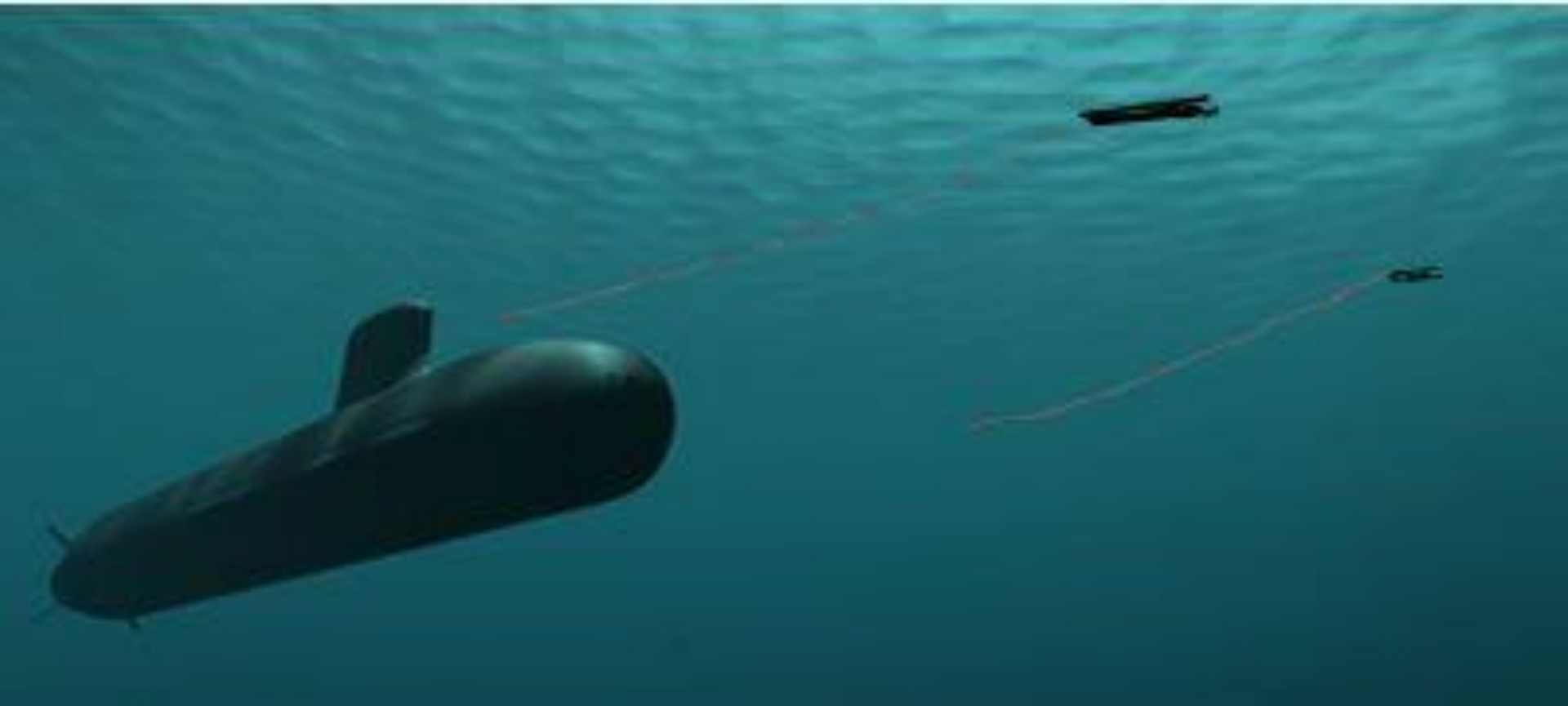


**Autonomously/Semi-Autonomous/Remote Control  
Defensive Swarm Boats**



# ***MANTAS ASW PROFILE***

- ASW Profile – Deploy, Intercept, Surface Detection, Alert, Return



# ***MANTAS TARGETS PROFILE***

- **Targets Profile – Deploy, Drag, Shoot, Return**





# ***MANTAS SWARM PROFILE***

- **Autonomously act as Defensive Swarm Boats – (6) T8's**

