Detection of other vehicles around
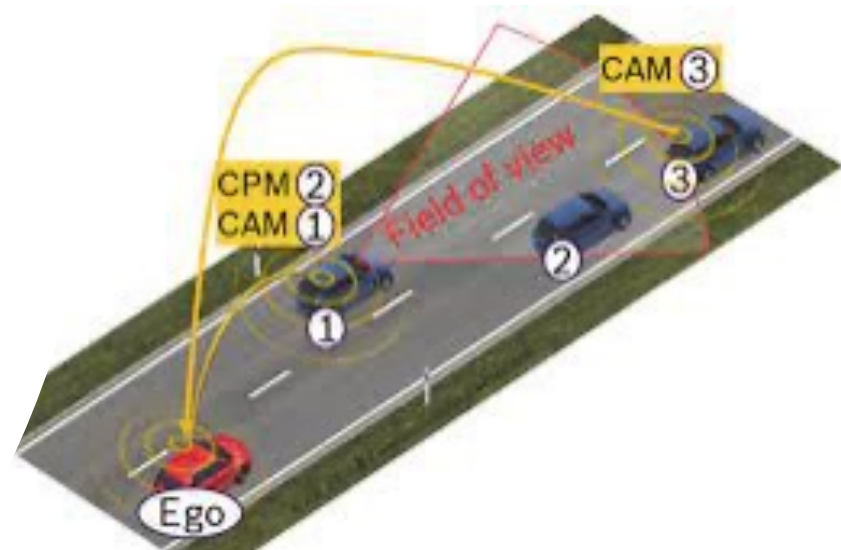
- Create a network to share information about object detection
- CPMs https://www.vanetza.org
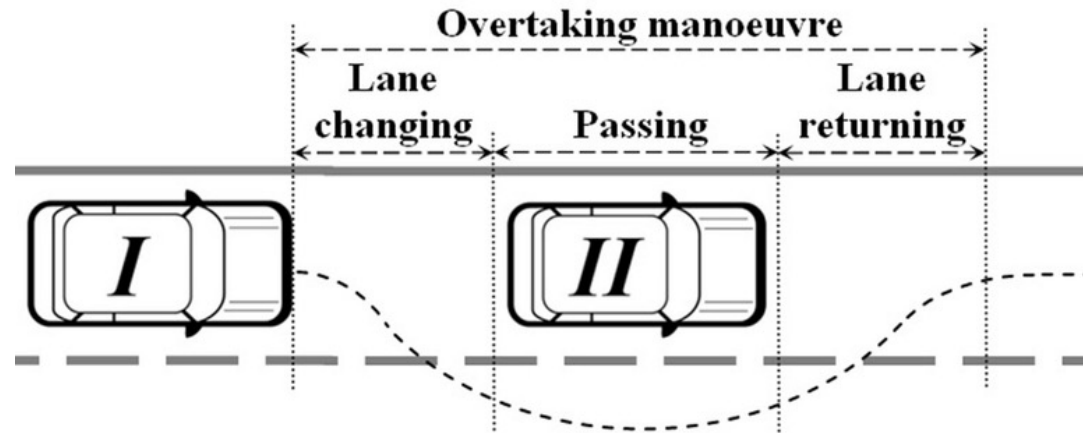- APUs or Jetsons (Camera detection)
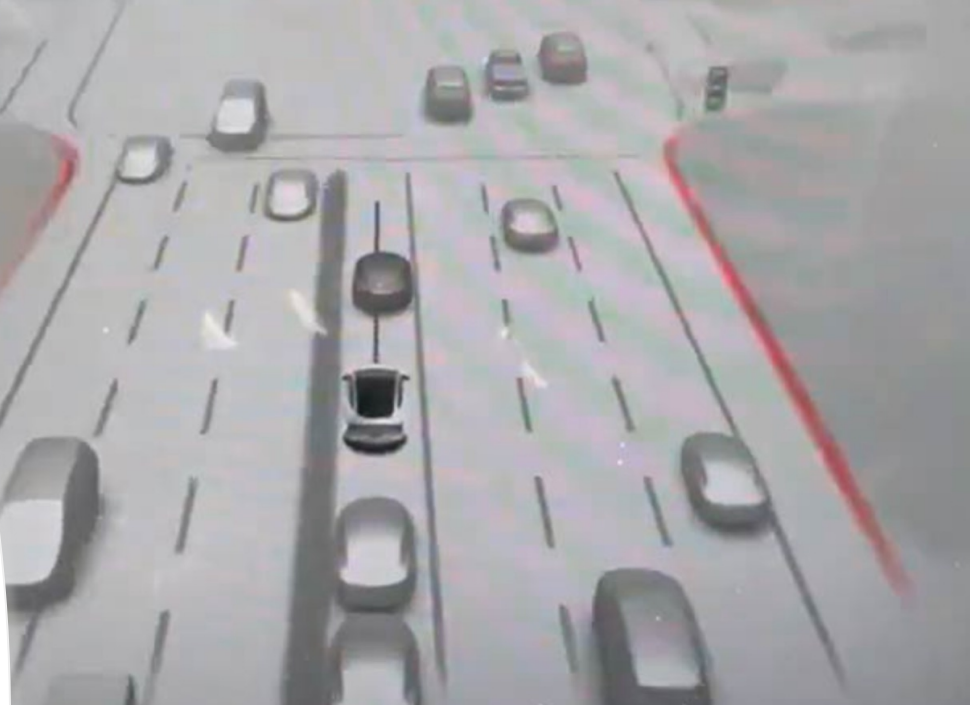
Autonomous Vehicle Platooning

- Create a network to share information between vehicles
- Real-time simulation in map
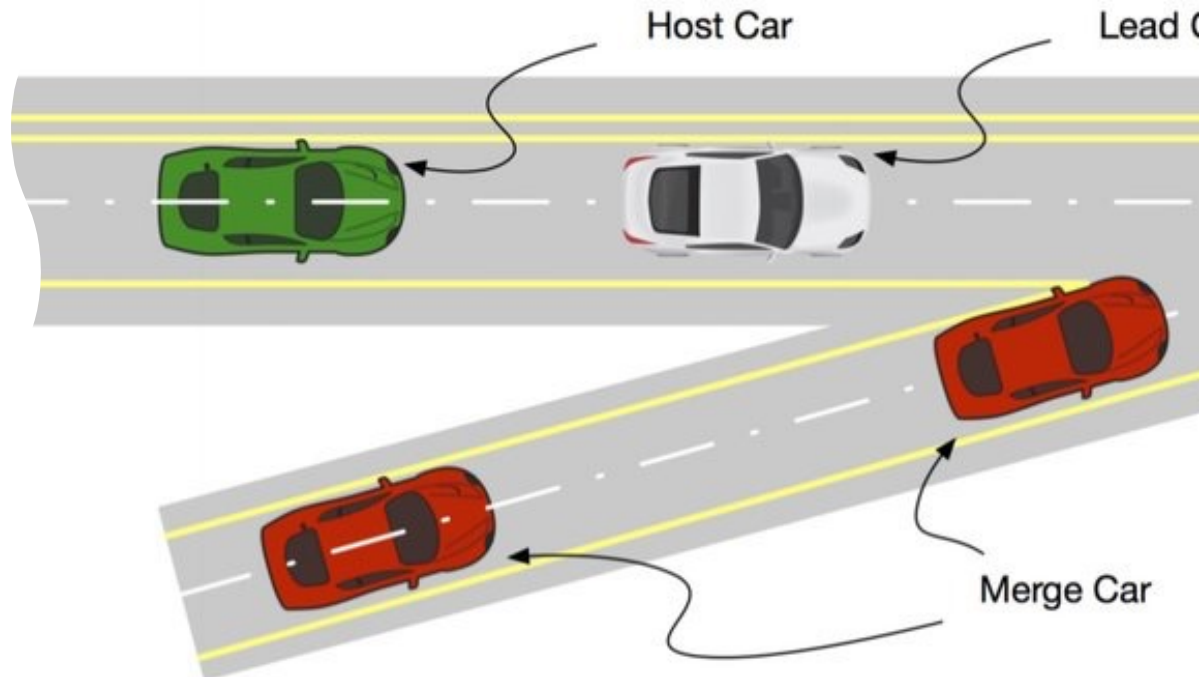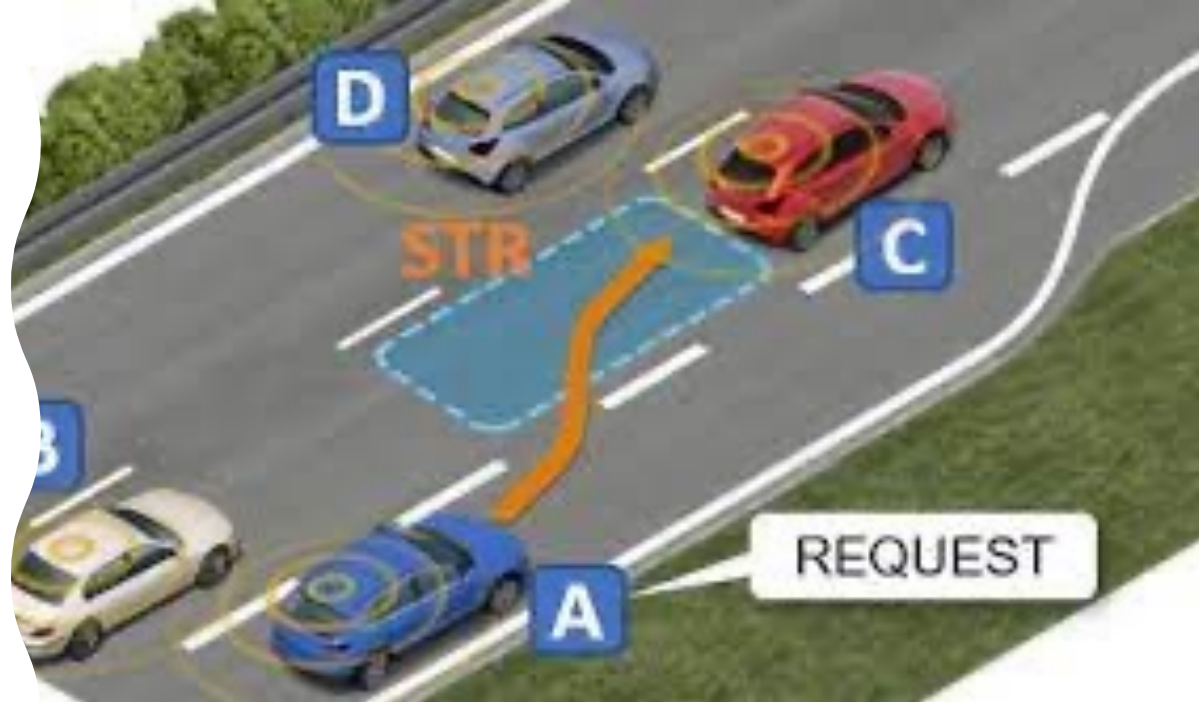- APUs
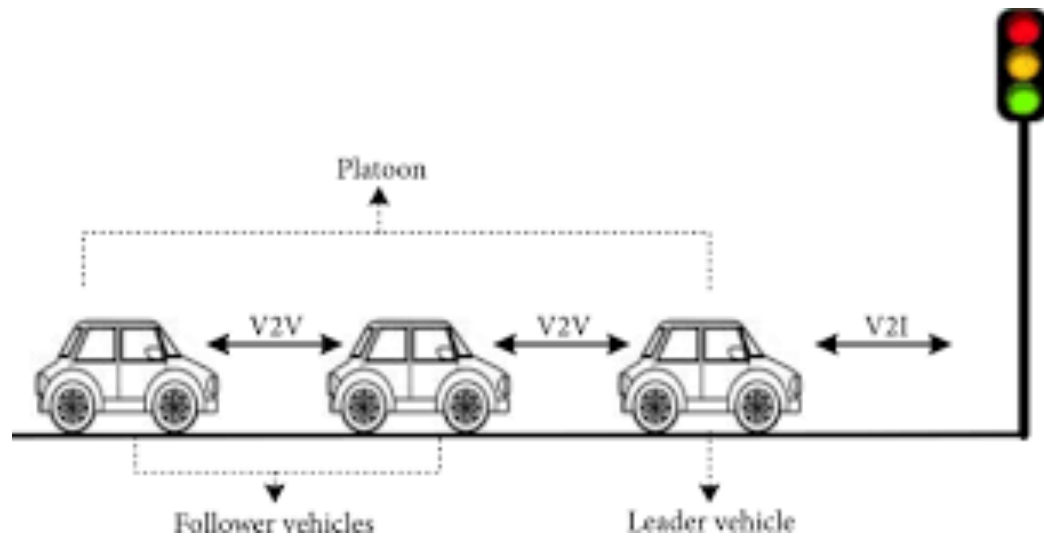
Collaborative Overtaking

- Guiding through the receiving messages
- With visibility or no visibility
- APUs

Lane merge

- Guiding through the receiving messages
- Control between the various vehicles to allow a car to enter the main road
- APUs

Traffic signal control with messaging between vehicles and infrastructure

1. Messaging between traffic lights
2. Messaging between traffic lights and vehicles
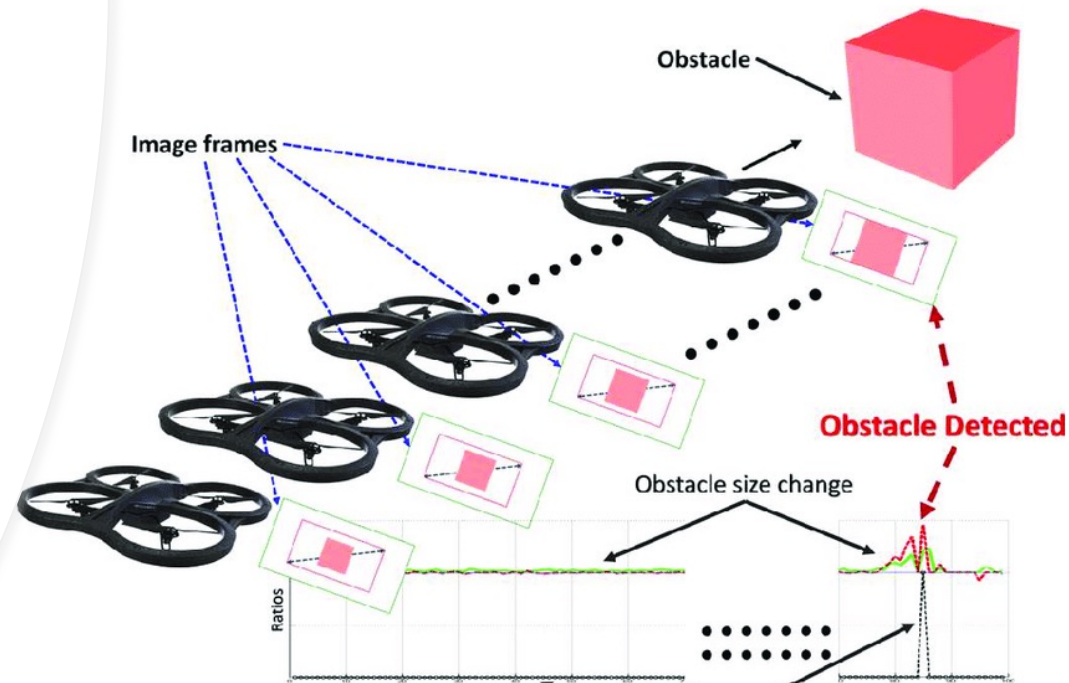3. Messaging between traffic lights, vehicles and pedestrians
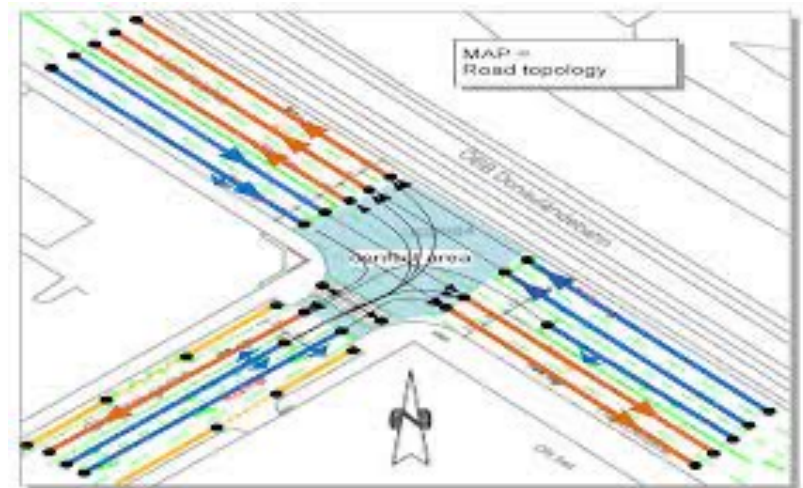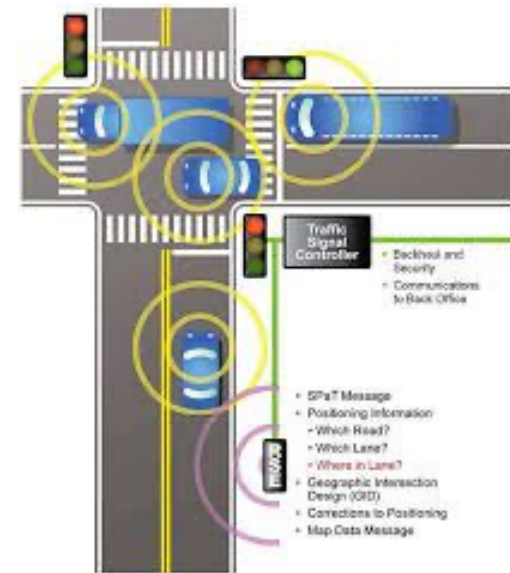
Drones Formation Control

- Collaborative position information network
- Movement intention, speed, etc.
- Formation control
- Map representation with real-time simulation
- APUs
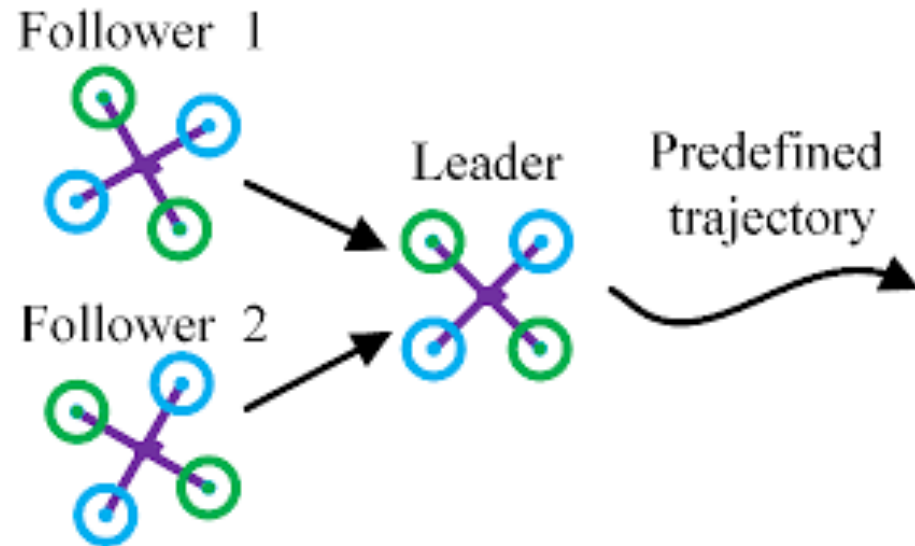
Cooperative object detection

- Object detection and share with other UAVs
- Avoidance of specific areas

Relay Race

- Most drones are limited in how far they can fly
- Drones to pass off current position to each other mid-flight
- Next drone continues path

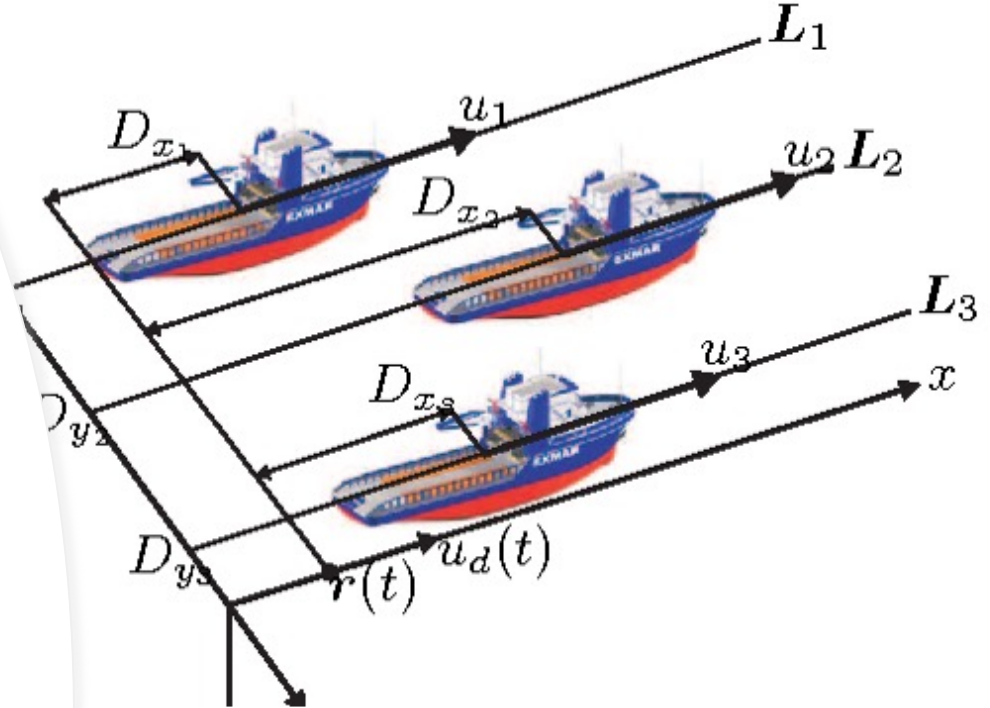## THE NEXT THING IN DRONE DELIVERY: IBM PATENTS A RELAY RACE OF DRONES

Boat race with data gathering

- Only after gathering all the required data, it passes information to the next boat

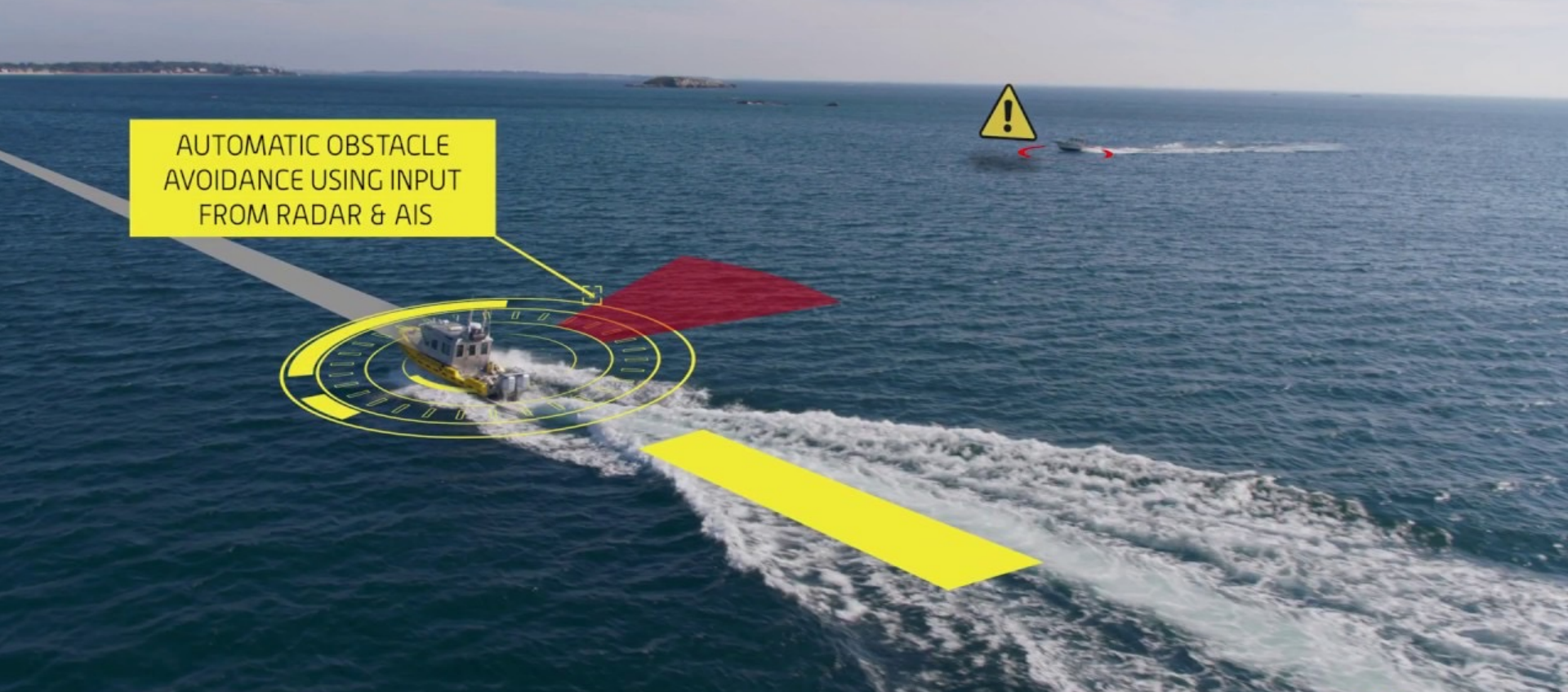- Sends coordinates of the next target to the following boat in the mission/race

Automated boats formation

- Collaborative position information network
- Movement intention, speed, etc.
- Formation control

AUTOMATIC OBSTACLE AVOIDANCE USING INPUT FROM RADAR & AIS

Cooperative obstacle avoidance

- Object detection and share with other automated boats

- Avoidance of specific areas

More ideas…

- Smart home / domotics

- Wifi Mesh Networks

- Large campus applications / counting of people and management of access

- …