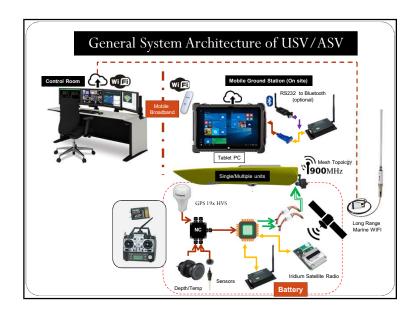
3. Main components of the vehicle

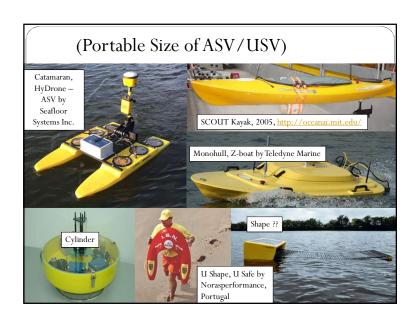
- i. Hull Design
- ii. Propulsion System
- iii. Navigation System & Control
- iv. Data Collection
- v. Data transmission
- vi. Power Management





3. Main components of the vehicle

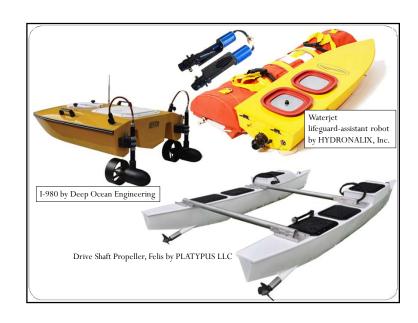
- i. Hull Design
- ii. Propulsion System
- iii. Navigation System & Control
- iv. Data Collection
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- vi. Power Management

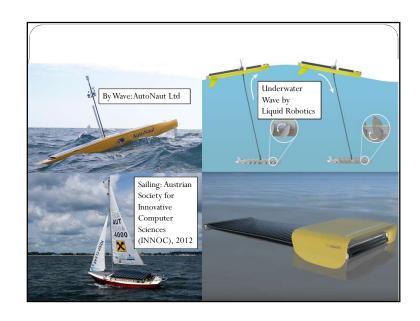


3. Main components of the vehicle

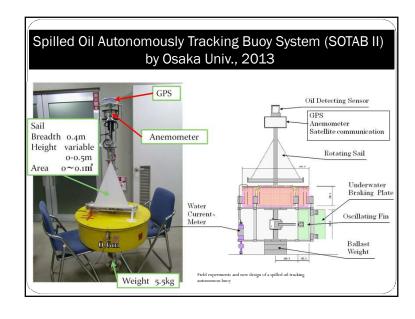
i. Hull Design
ii. Propulsion System
iii. Navigation System & Control
iv. Data Collection
v. Data transmission

vi. Power Management



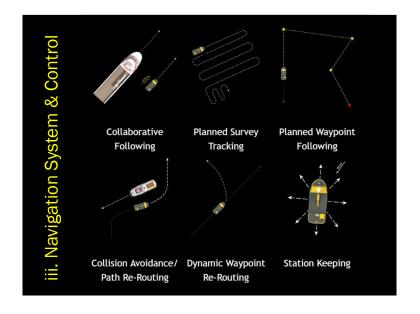


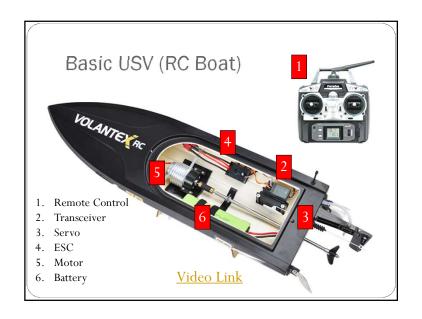


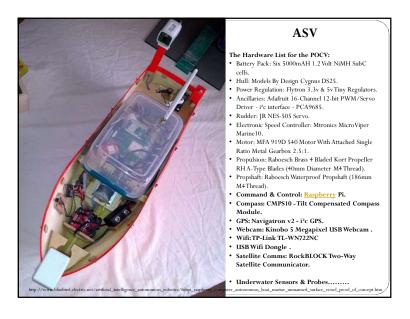


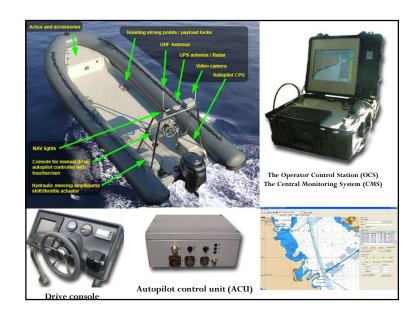
3. Main components of the vehicle

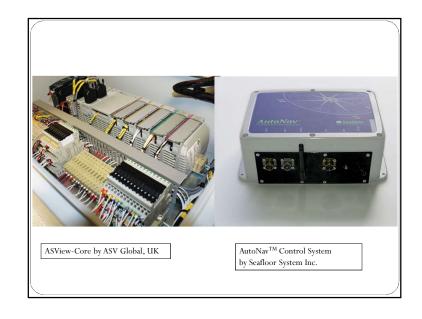
- i. Hull Design
- ii. Propulsion System
- iii. Navigation System & Control
- iv. Data Collection
- v. Data transmission
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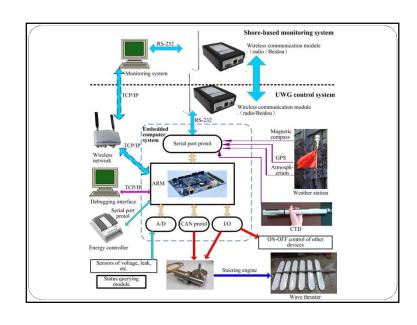


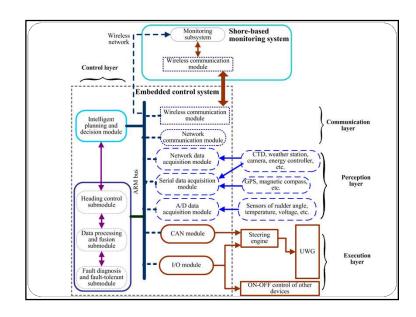


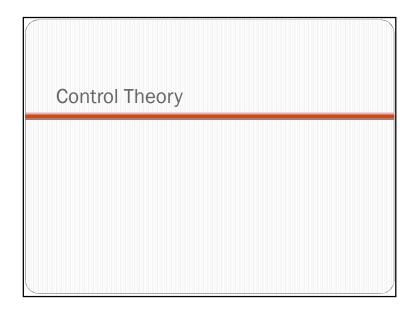


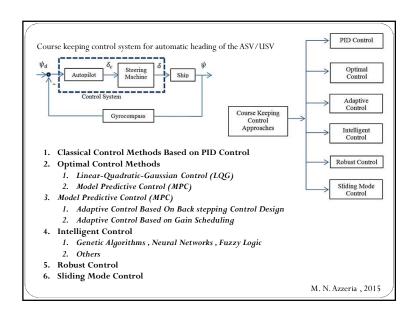


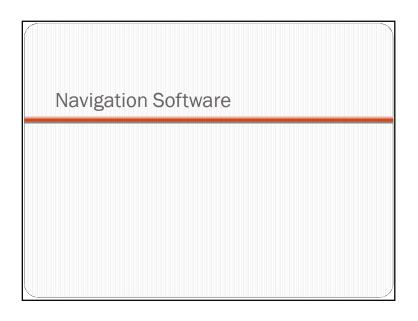




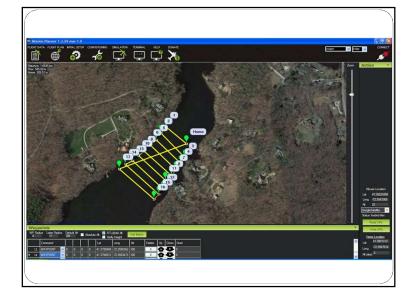




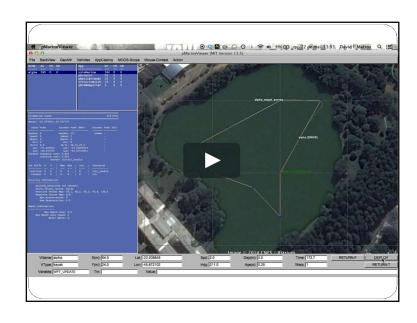




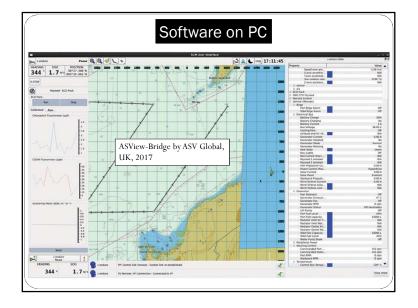


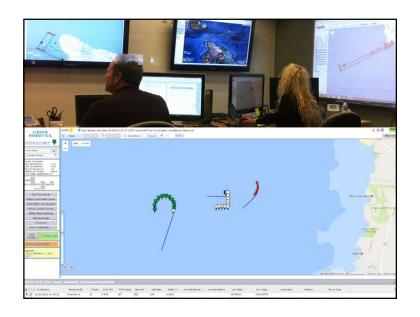


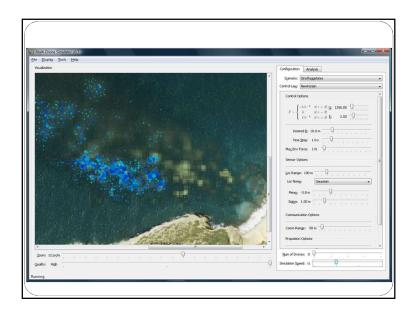








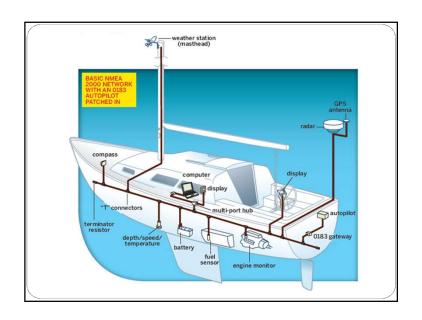


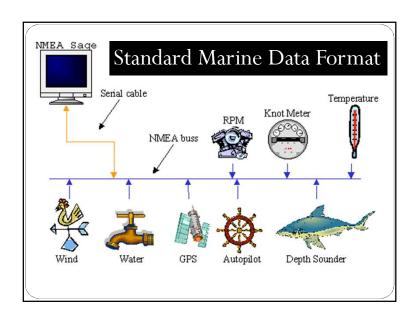


3. Main components of the vehicle

i. Hull Design
ii. Propulsion System
iii. Navigation System
iv. Data Collection & Control
v. Data transmission
vi. Power Management

iv. Data Collections Тор Bottom • GPS • Depth sensor • Single • Wind Speed/Direction • Multi-beam • Air Temperature ADCP • Humidity • Sonde (Multiparameter) • Air Pressure • Smart Hydrophone • IMU • Wave height/direction Compass • Water sampler • Camera • Camera





NMEA 2000		NMEA 0183
65280	Heave (Proprietary PGN)	PFEC, GPhve
126992	System Time	RMC, ZDA
127245	Rudder	RSA
127250	Vessel Heading129540	HDG, HDM, HDT, RMA, RMC, VHW PFEC, GPatt
127251	Rate of Turn	ROT
127257	Attitude	PFEC, GPatt
127258	Magnetic Variation	HDG, RMA, RMC
128259	Speed, Water referenced	RMA, RMC, VHW, VTG
128267	Water Depth	DBT DPT
129025	Position, Rapid Update	GGA, GLL, GNS, RMA, RMC
129026	COG & SOG, Rapid Update	RMA, RMC, VTG
129029	GNSS Position Data	GGA, GLL, GNS, RMA
129033	Time & Date	RMC, ZDA
129283	Cross Track Error	APB, RMB, XTE
129284	Navigation Data	APB, RMB, WPL, ZTG
130306	Wind Data	MDA, MWV, VWR, VWT
130310	Environmental Parameters	MDA, MTW
130311		
129540	GNSS Sats in view	GSV
129285	Navigation-Route/WP information	APB, RMB, WPL, ZTG
130577	Direction Data	RMA, RMC, VHW, VTG

