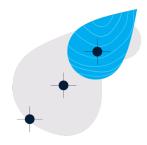




# OCEAN INFINITY®

#### **Our Services**

### **MAP**



Safely completing detailed and precise mapping and survey tasks.

The best data, acquired and presented to the highest standards.

### **INSPECT**



Analysing seabed assets to provide accurate and detailed information.

The best way to inform decision making and planned maintenance.

#### **LOCATE**



World leaders in seabed search, salvage and subsea security.

The best chance of finding what you are looking for.

#### **SHUTTLE**



Movement of goods with zero people required at sea.

The best way to sustainably provide global logistical support.

### **Our Robots**

#### ARMADA FLEET



#### **INFINITY FLEET**







A new venture for Ocean Infinity, launched in February 2020.



Operating the worlds largest fleet of low-emission, multi-role robotic ships.



An initial fleet of **21m**, **36m & 78m vessels** that can be deployed worldwide.



Focussed on **significant reduction of emissions**, increased safety and secure and reliable **communications** leveraging **economies of scale**.



Revolutionary fleet technology capable of shallow and deep-water survey, as well as ROV, AUV and UAV payloads.



The first vessels will be **fully operational in Q1 2021**.









# VESSELS ARMADA FLEET





LOA	21m
Sensor depth	3m
Propulsion type	DP0, Diesel electric hybrid
Max speed	11 knots
Range	3000 nm
Regulatory regime	DNV Classed (hull) DNV UMS MCA Workboat code

LOA	36m
Sensor depth	3.6m
Propulsion type	DP2, Diesel electric hybrid
Max speed	12 knots
Range	5200 nm
Regulatory regime	Classed (IMO, MARPOL) DNV UMS Code

## **OCEAN INFINITY®**



## **BUILD PROGRESS**

## **ARMADA FLEET**









### **PAYLOADS**

### **ARMADA FLEET**

All Armada fleet vessels will have standard fit equipment, predominantly housed in a retractable subsea gondola:

- GNSS
- INS (with integrated ADCP/DVL)
- SBES
- Underway CTD
- USBL
- Dual-head shallow-water MBES
- SBP

#### **FUTURE PAYLOADS**

Additional payloads under development include:

- AUV deployment
- UAV capability
- 2D & 3D seismic spreads
- Oceanographic data acquisition
- Metocean studies
- Geotechnical capability

Initial modular payloads:



**ROV** 

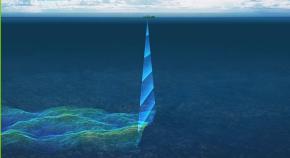


Hydrography & geophysics



**Deepwater MBES** 

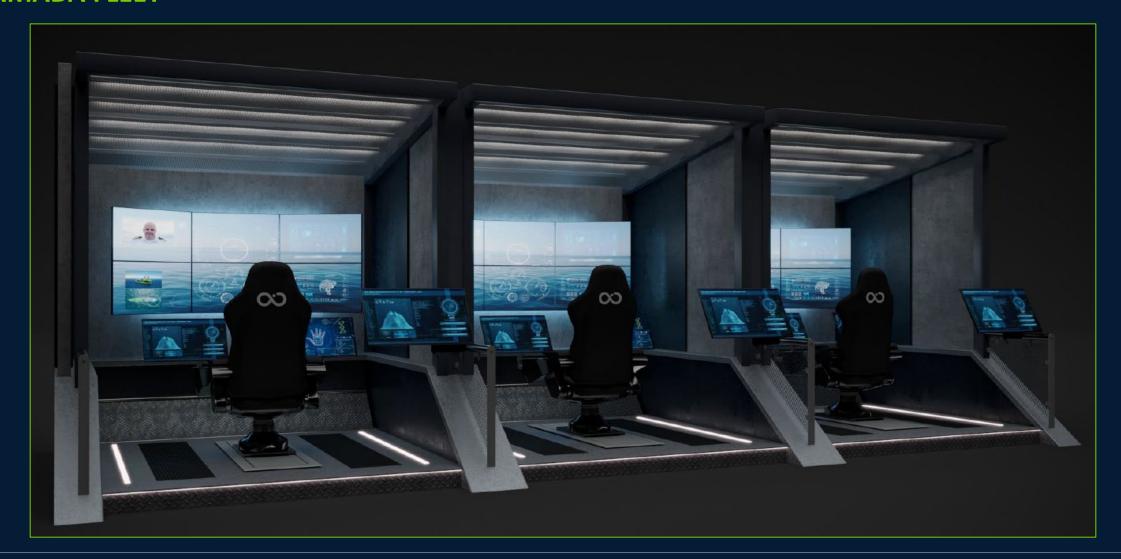




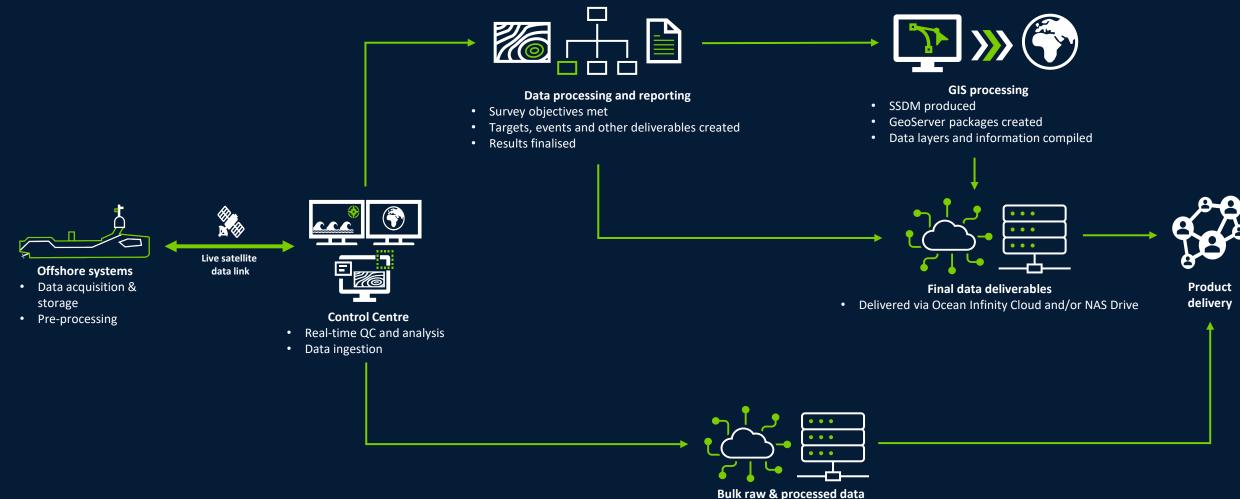




# REMOTE OPERATIONS CENTRE ARMADA FLEET

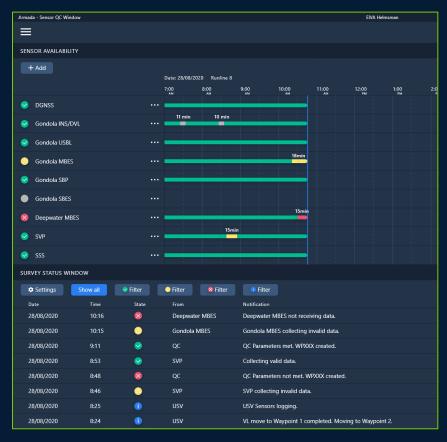


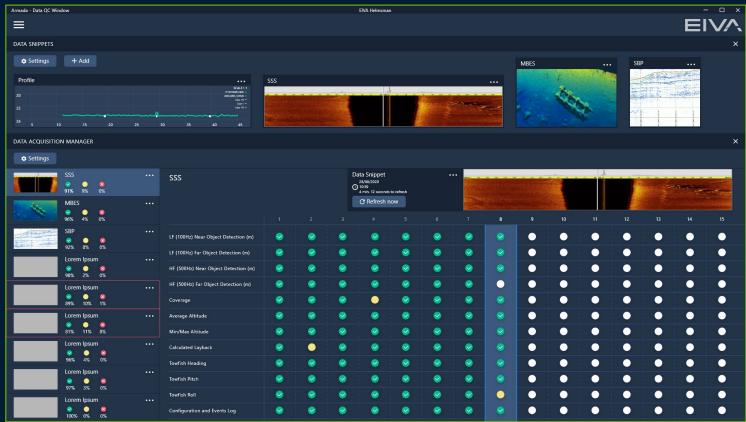
# DATA MANAGEMENT ARMADA FLEET



All data available via Ocean Infinity Cloud and/or NAS Drive

# DATA MANAGEMENT ARMADA FLEET

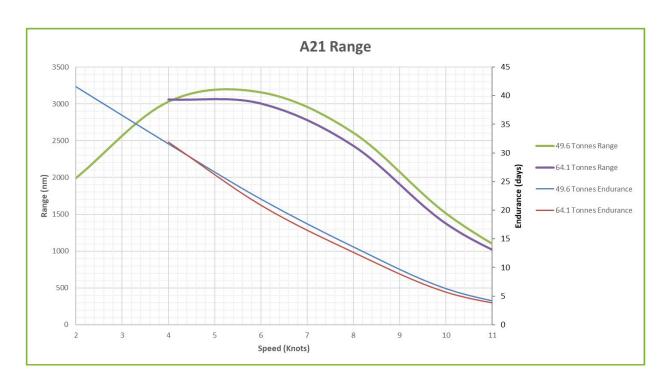


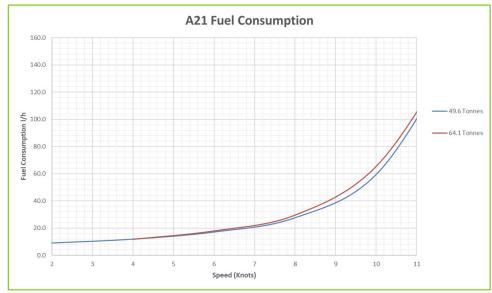






### **PERFORMANCE MODELLING**











## SUSTAINABILITY & NET-ZERO OPERATIONS ARMADA FLEET











### **Typical 21 day offshore campaign**





Smaller and newer vessels with no superstructure enable significant reductions in fuel burn



90% emissions saving over a conventional vessel performing a similar offshore campaign



In addition to offering significant emissions reductions, Ocean Infinity take place in an active reforesting scheme enabling true carbon neutrality



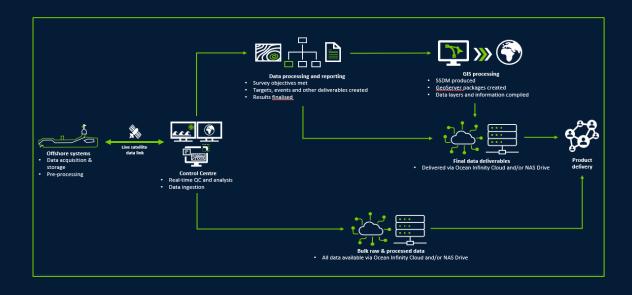




# CHALLENGES ARMADA FLEET



Communications & data handling





Regulatory environment & acceptance











## SUMMARY ARMADA FLEET



Large scale mapping



Offshore renewables



Equipment transport, cargo delivery



Construction support, IRM and decomm.



Remote source, streamer tow, data harvesting



Data and power cable survey and IRM



Metocean, environmental baseline and monitoring



Defence, search and salvage

















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