

OCEAN INFINITY SHIPS, TECHNOLOGY & ASSETS — SCALE, PRECISION AND SPEED

- 3 x multi-purpose support vessels
- 6000M AUVs
- USVs
- High resolution sensors
- 6000M WROVs
- SALVAGE CAPABILITY TO 6000M (CRANES, WINCHES, ETC)
- HULL MOUNTED MBES SYSTEM ON ALL VESSELS







SEABED CONSTRUCTOR	
DESIGN	MT 6022
	MKII
YEAR	2014
LENGTH	115.4м
BREADTH	22м
ACCOMMODATION	102 PAX
CRANE	250 TON
	AHC
MOONPOOL	7.2m x 7.2m
MAIN DECK	1300 M ²

ISLAND PRIDE		
DESIGN	UT 737 CD	
YEAR	2014	
LENGTH	103.3м	
BREADTH	21м	
ACCOMMODATION	90 PAX	
CRANE	125 TON AHC	
MOONPOOL	7.2м х 7.2м	
MAIN DECK	800 M ²	

Normand Frontier		
DESIGN	VARD OSCV	
YEAR	2014	
LENGTH	122.8м	
BREADTH	23м	
ACCOMMODATION	100 PAX	
CRANE	250 Ton AHC	
MOONPOOL	7.2m x 7.2m	
MAIN DECK	1300 M ²	

ROV FLEET (2 PER VESSEL)

6000M WORK CLASS ROVS

SCHILLING HD

KRYSTDESIGN KD







AUV SENSOR PAYLOAD

- HISAS 1032, KRAKEN MINSAS 120
- **EDGETECH SIDE SCAN SONAR**
- EM2040 MULTIBEAM ECHOSOUNDER
- **EDGETECH SUB-BOTTOM PROFILER**
- CATHX COLOR CAMERA
- CONDUCTIVITY/TEMPERATURE/DEPTH (SAIV)
- SELF COMPENSATING OFG MAGNETOMETER
- FLNTU TURBIDITY/VISIBILITY SENSOR

LENGTH = 6.2MDIAMETER = 0.875M

WEIGHT = 1,850KG

SPEED = 2-6KTS

MISSION DURATION = 60-

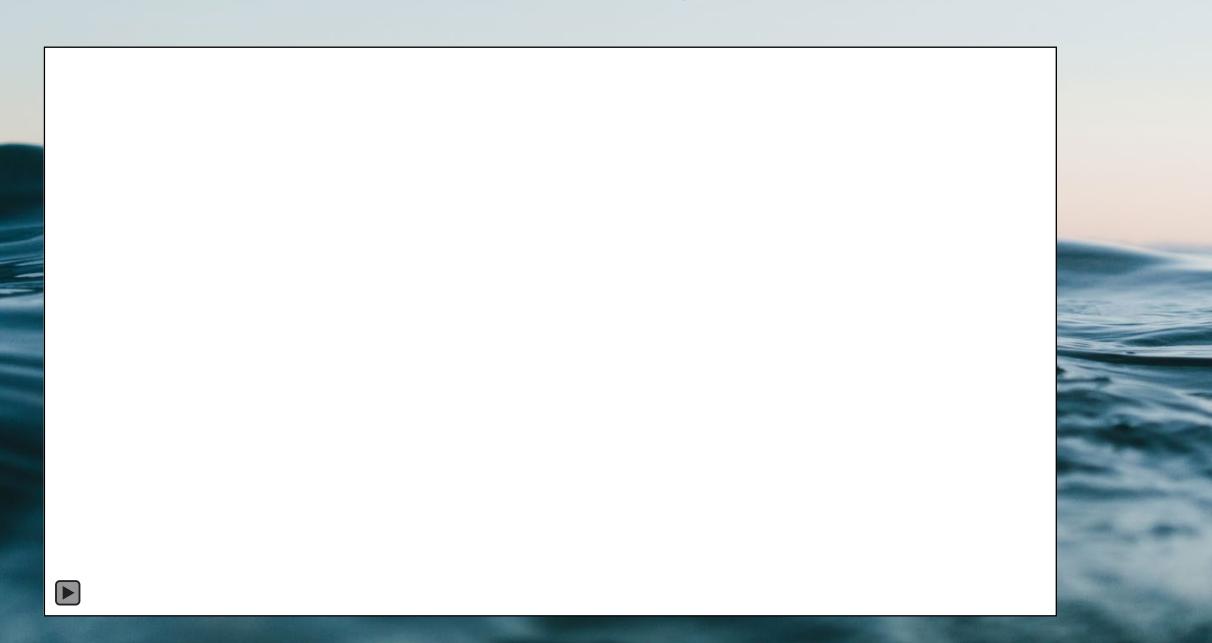
100HR

15 Hugin autonomous OCEAN INFINITY — AUV FLETDERWATER VEHICLES



- ~27,000+ SURVEY
 HOURS
- 140,000 LKM
- 181,000 SQKM
- ~700 MISSIONS
- OFF THE SHELF
 TECHNOLOGY BUILT TO
 OI SPECIFICATIONS

AUV HANGER



HIGH RESOLUTION, HIGH QUALITY DATA

AND INFORMATION

HARDWARE SOLUTIONS





- ALL-FLASH ARRAYS
- Managing large data sets —
- UP TO 90GB PER HOUR OF SURVEY
- SECURITY, ENCRYPTION, REDUNDANCY AND TIME/SPEED CRITICAL

NETWORK

LOW-LATENCY SWITCHES

- SCALABLE NETWORK ARCHITECTURE
- NETWORKING AND COMMUNICATION CHALLENGES
- FROM SEABED TO SHORE ACOUSTIC COMMUNICATIONS, WIRELESS/RF, WIRED NETWORKING, VSAT, CLOUD STORAGE & PHYSICAL SERVERS

COMPUTE

HIGH-DENSITY SERVERS

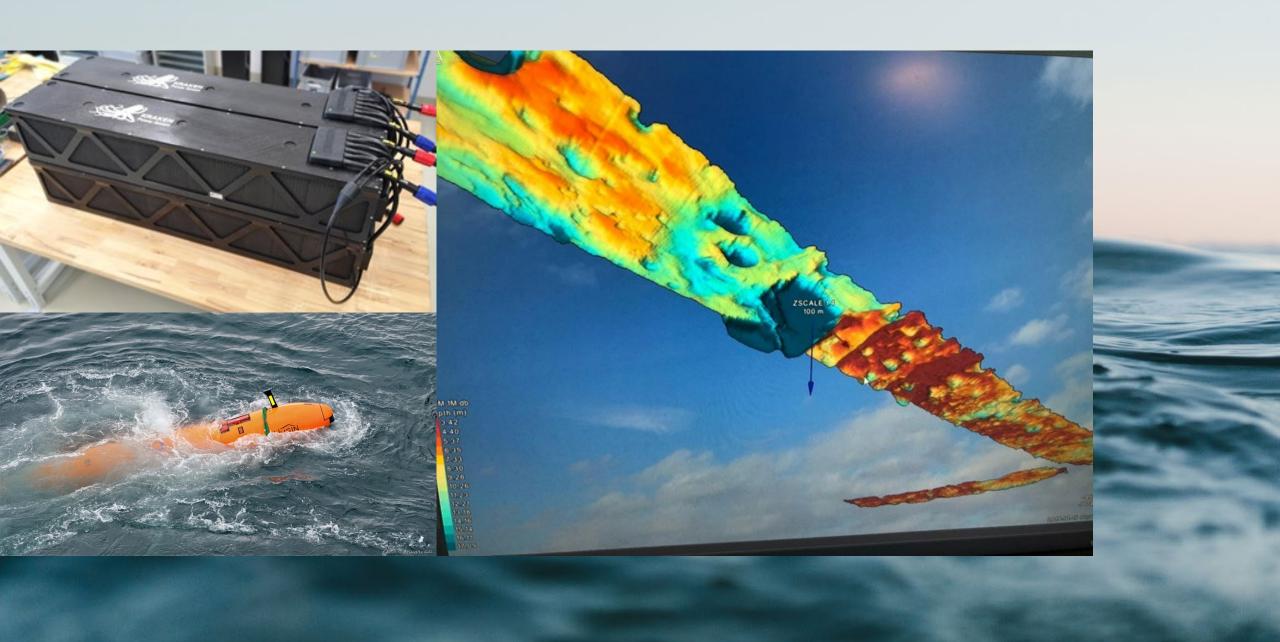
- Post mission analysis
- DATA PROCESSING
- Delivery to stakeholders
- AUTOMATING WORKFLOWS
- FUTURED DEVELOPMENTS AI, ATR MACHINE LEARNING & CLOUD COMPUTING

OCEAN INFINITY - MULTIPLE AUV

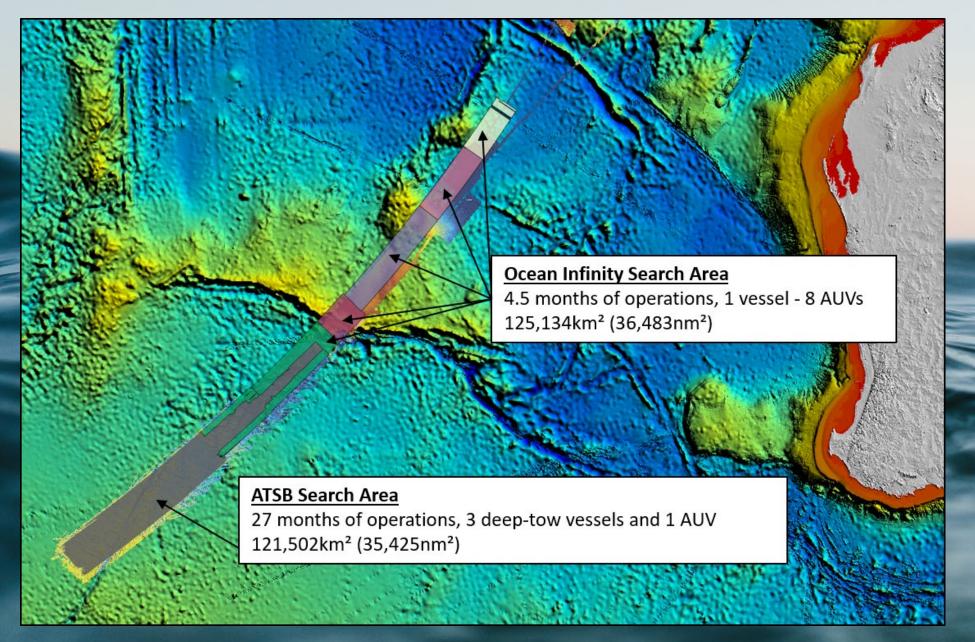
- OPERATIONS
 R&D THROUGH REAL WORLD OPERATIONS:
 - WITHOUT SUPERVISION FROM SURFACE VESSELS, UNDER ICE, LONG ENDURANCE MISSIONS, CHALLENGING WEATHER
 - L&R SYSTEMS, INFRASTRUCTURE IMPROVEMENTS, A-COMMS, RF, V-SAT,



OCEAN INFINITY — AUV OPERATIONS

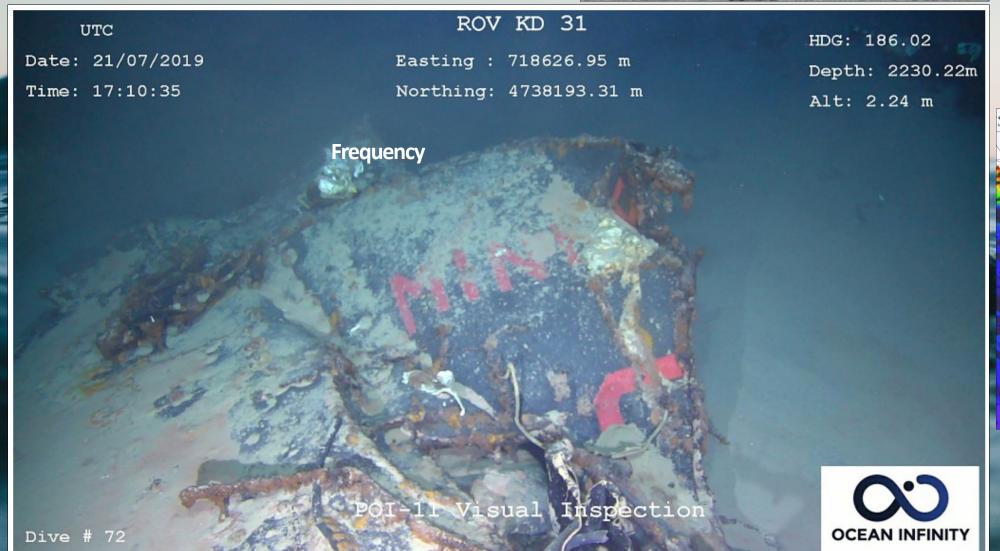


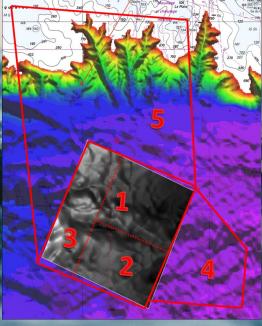
MH370 AREA COVERAGE



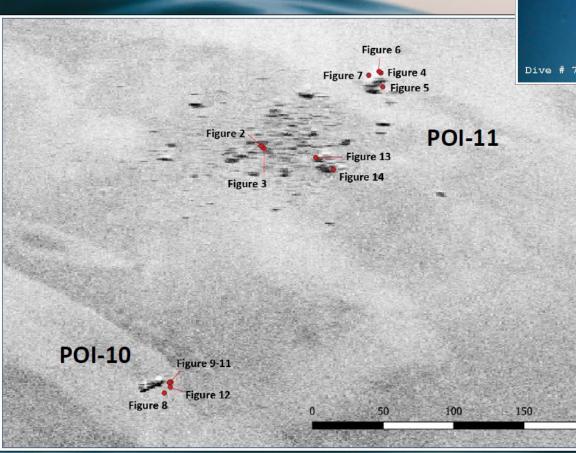
LA MINERVE – LOST 1968







LAMINERVE

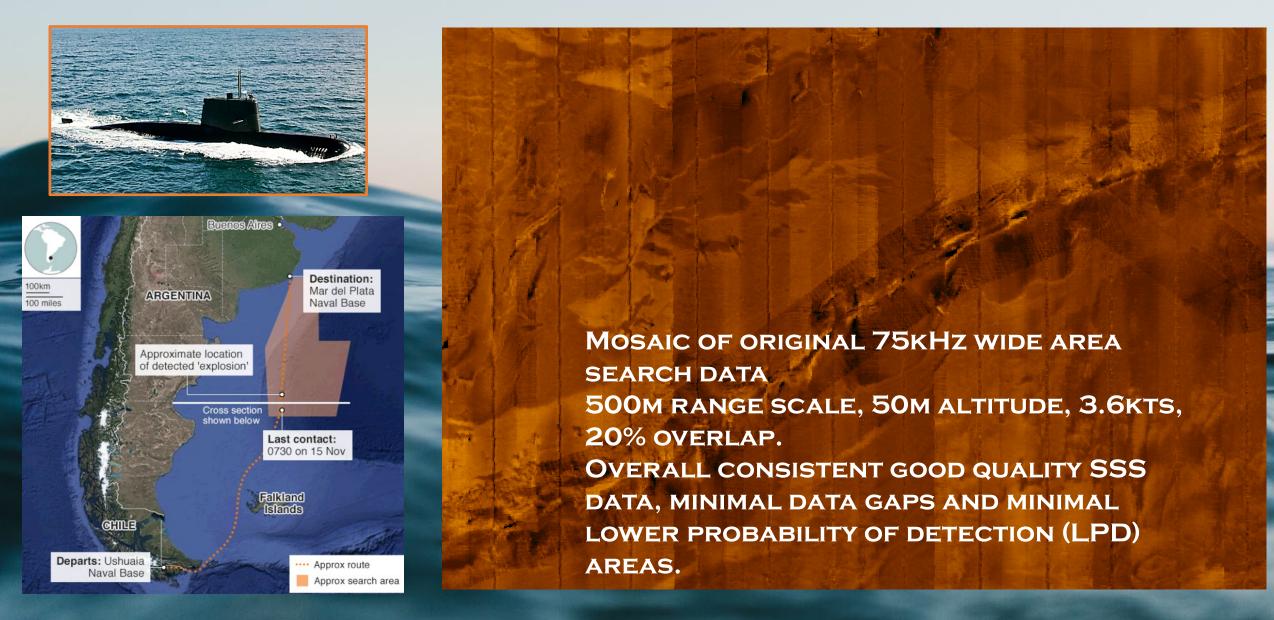




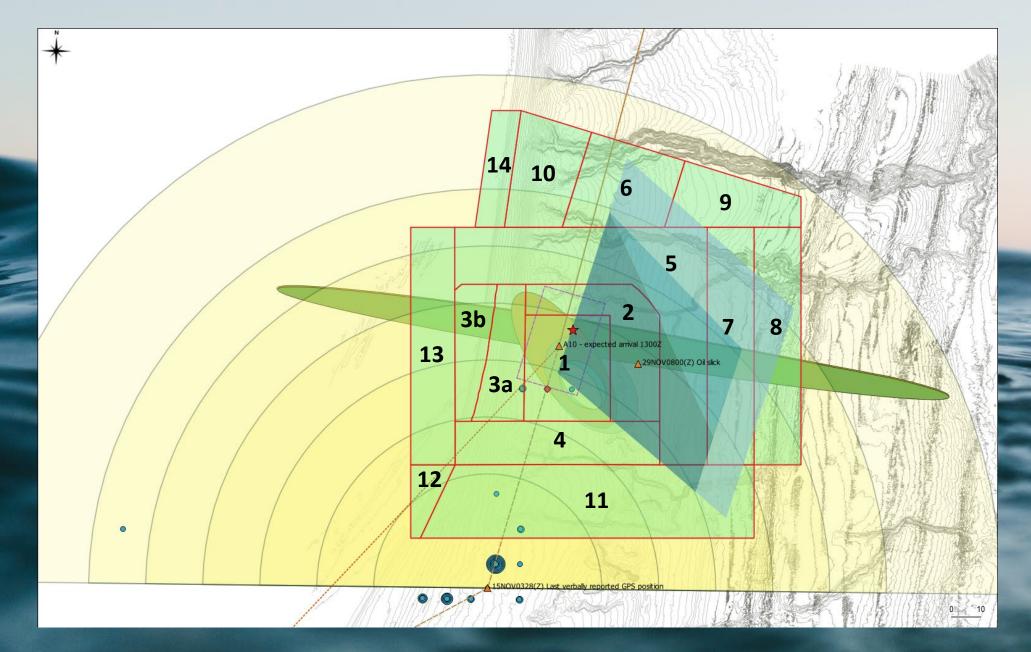
200 m



ARA San Juan search

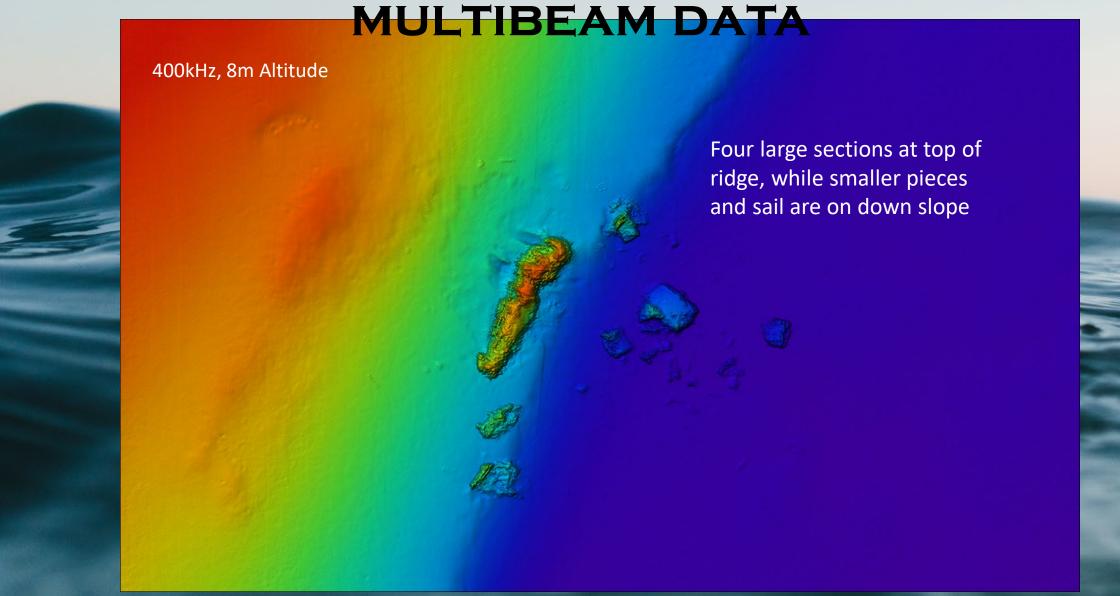


SEARCH AREAS 1-14





INVESTIGATION AUV DIVE -

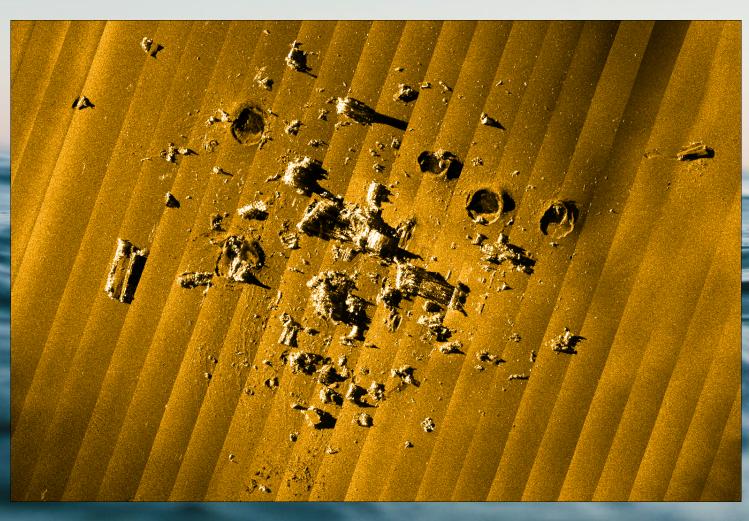


GEOLOGICAL ANOMALIES

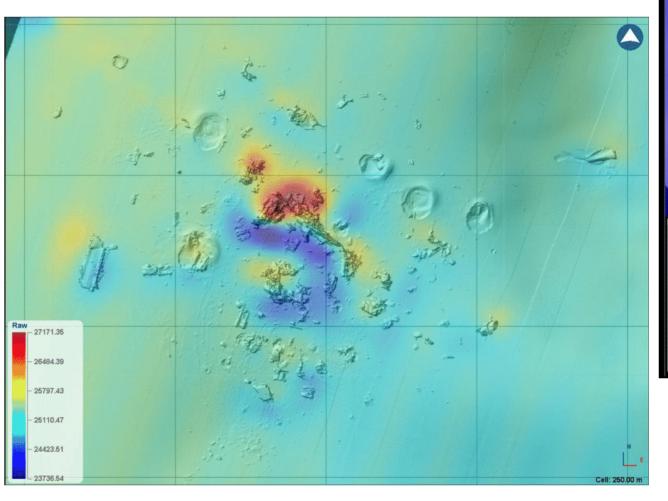


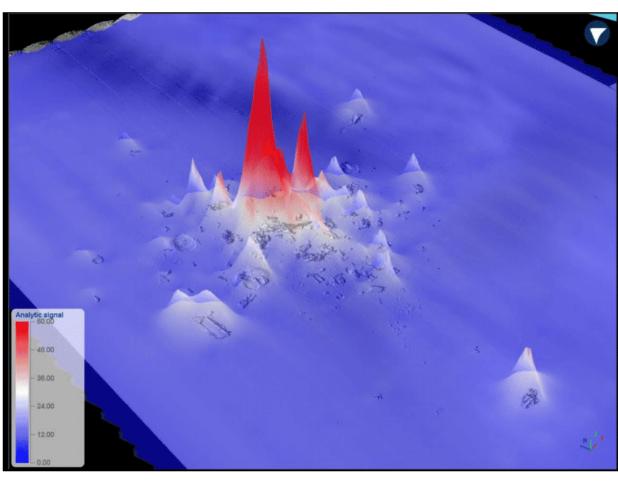
00

STELLAR DAISY



Magnetometer Signature, draped over SSS





Plug the gaps / Infill the gaps and "Map the Gaps"

- Leap of faith?
- Categorise autonomous data
- Data Assured standards
- Utilise ALL the tools in your toolbox
- Incentivise and encourage
- Need for a targeted and prioritised survey plan
- Collaboration
- IT IS ALL ABOUT THE DATA

