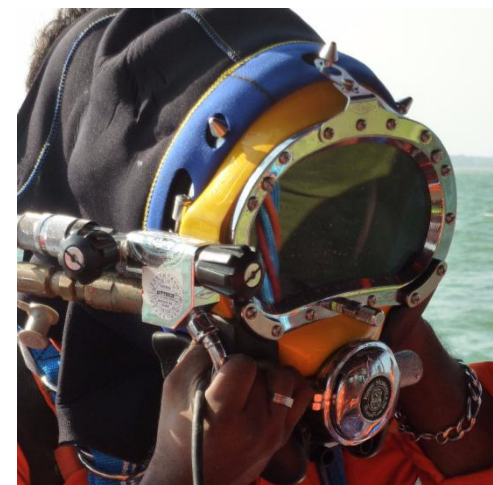


MANOPI – A proven operational concept

- A team of 3 experts 24/24 7/7
immediate mobilization, flown on
commercial airlines to accident site
- A suite of light weight search equipment
- Deployment from ship of opportunity
- Search operation conducted step by step:
 - Detection (Find hay stack)
 - ULBs accurate positioning in longitude/latitude
(Position needles in the hay stack)
 - Measure wreck depth
- Further, charter adequate recovery means
or use FROV when ready (Phase 2 R&D program)



MANOPI

ALCEN

innovation at **sea**

MANOPI
PRESENTATION



EXTRAITS

ULTRA-DEEP R&D CONTRACT SPECIFICATIONS

Objectives

- Fast search over a very wide area
(Coverage 20.000 km² in less than 15 days)
- Position 2 x ULBs with a metric accuracy
in longitude and latitude

Constraints

- Light weight equipment only
- Deployment from ship of opportunity
- Full water depth capability (6000m)
- Bad weather operations



R&D program final tests

– June Mediterranean trials

- Small coastal research ship
- Deployment of 4 DETECTOR-6000
- 2000 m water depth
- 2 x ULBs positioning



– September Atlantic trials

- Thalassa vessel
- 15 days between Acores and Brittany
- Depth: 5000 m
- ROV VICTOR for ULBs recovery

