

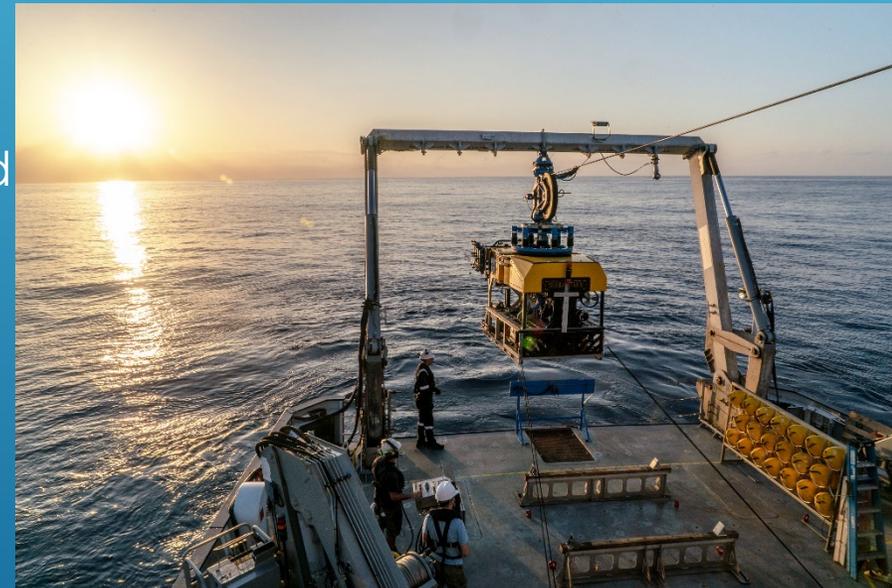
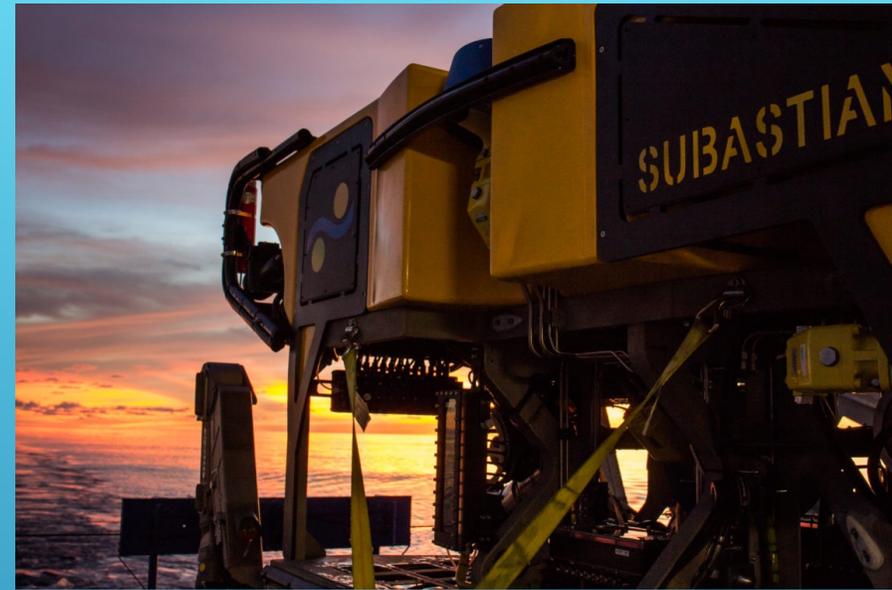
ROV SUBASTIAN

SOI's REMOTELY OPERATED VEHICLE (ROV) 2022 UNOLS & DeSSC UPDATE



Introduction

- Errol Campbell – Science Support Services Senior Manager
- Schmidt Ocean Institute
 - Not for Profit Organization
 - Goal to advance global marine research
 - Provide state of the art operational, technological and information support
 - Pioneering Ocean science and technology projects
 - Share what we discover & Help the world better understand our oceans.
- ROV Subastian
 - Development started in 2015
 - Successfully completed 481 Dives to date
 - To be Integrated onto R/V Falkor (too) in summer of 2022



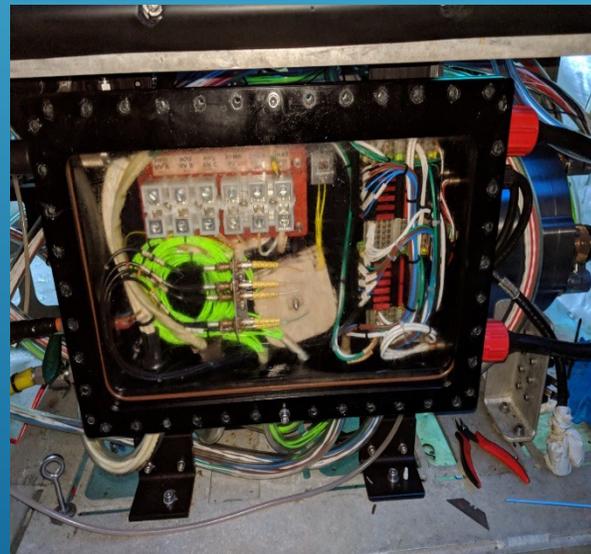
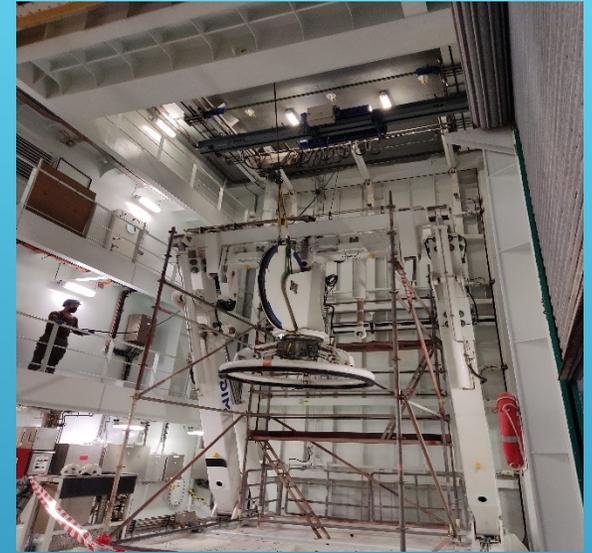
2022 R & M rebuild and upgrades

➤ ROV Inspection Repair & Maintenance (IRM)

- Complete IRM of all Mechanical, Hydraulic, Electrical & Electronic systems, frame, thrusters, manipulators, valve packs, JB's all major components, Science equipment, tooling & sensors.

➤ Upgrades

- New 6000m Umbilical
- New Hangar based LARS
- New Science & Robotics workshops
- New Mission Control Room (MCR)
- Sub – Motor Rewind
- 4K Science Cam upgrade Sulis Z70–Z71
- ROV Hyd Pump Service & Set-up
- New ROV Light junction boxes
- New Manifolds & Oil/Water Separator
- New Tritech Sonar
- Plus so much more, enjoy the short video!





KEEP FIRE AWAY
INFLAMMABLE
MAY CONTAIN ALKYL ALKYL SULFONATE
INFLAMMABLE

THANK YOU!
Stay Safe!

SUBASTIAN

➤ www.schmidtocean.org

- Livestreaming ROV Dives
- Facebook
- YouTube