Introduction to Sonardyne and Sonardyne Group

Leading independent provider of underwater acoustic, inertial, optical and sonar technology

- 70+ countries where we operate
- 80% Percentage of products we export
- >400 Sonardyne group employees worldwide
- >50 The age of our company
- 15mm Positioning accuracy of 6G acoustic technology
- 600Mb/s The speed we can transfer data subsea
- 100% Deep water fields where Sonardyne technology is used
- 12,000m How deep our equipment can operate
- 156,000 Total square footage of our facilities
- 24/7 Support any time you need it
- >500 Transducer manufactured each year
Royal Navy
https://twitter.com/AdmTonyRadakin/status/1374063836093898759

National Oceanic and Atmospheric Administration

Equinor
Introduction

Robotics & Autonomy

SPOILT FOR CHOICE.
DATA HOARDERS.
Introduction

Robotics & Autonomy

SYSTEMS OF SYSTEMS

Courtesy of Dana Manalang (APL) and John Delaney (University of Washington)
Autonomous vehicles can manoeuvre perfectly therefore optimising data collection.
Remote control through optical and acoustic communications

Intervention
Combined AUV & USV Operations
Robotics & Autonomy

- SPRINT INS
- AvTrak 6 Positioning & Comms
- Solstice Imaging Sonar
- BlueComm 200 Optical Comms
- Optical Comms
Increasing area coverage rates for man-portable AUVs
Combined remote operations using ROV & USV
Over-the-horizon Uncrewed Robotics & Autonomy

HARVEST

Sensors
Peak error of 2.75 m following a 10 km transect
Instrument Enabled Autonomy

Robotics & Autonomy
Thank you for your time today any questions?