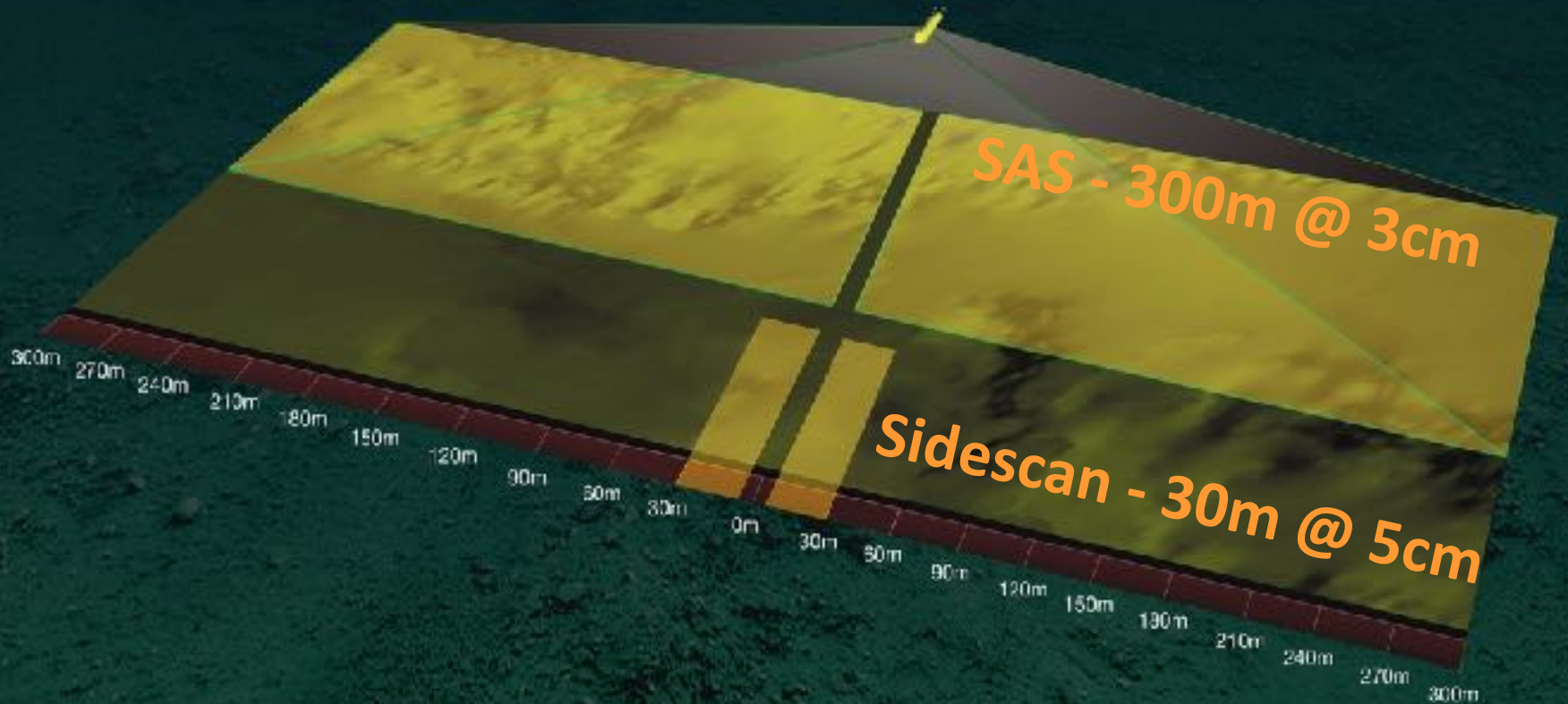




# Kraken Sonar Flash Talk

WHOI CMR - July 2017

# Synthetic Aperture Sonar - SAS



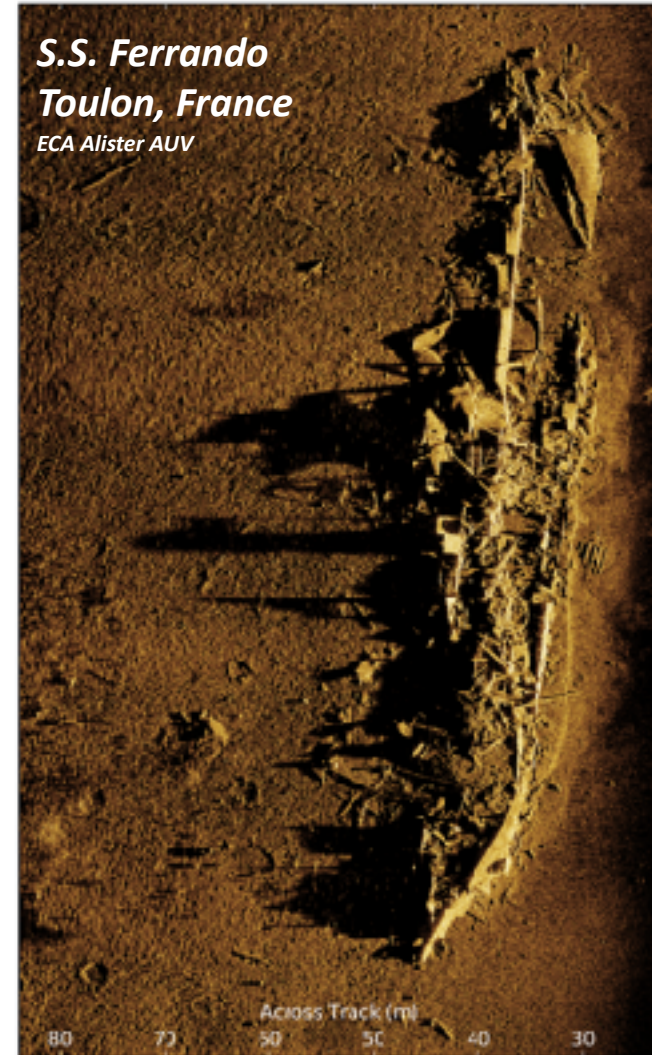
**SAS provides a 10X increase in Area Coverage Rate over SSS.**

# KRAKEN SAS for Man Portable Vehicles



## AquaPix<sup>®</sup> MINSAS 60

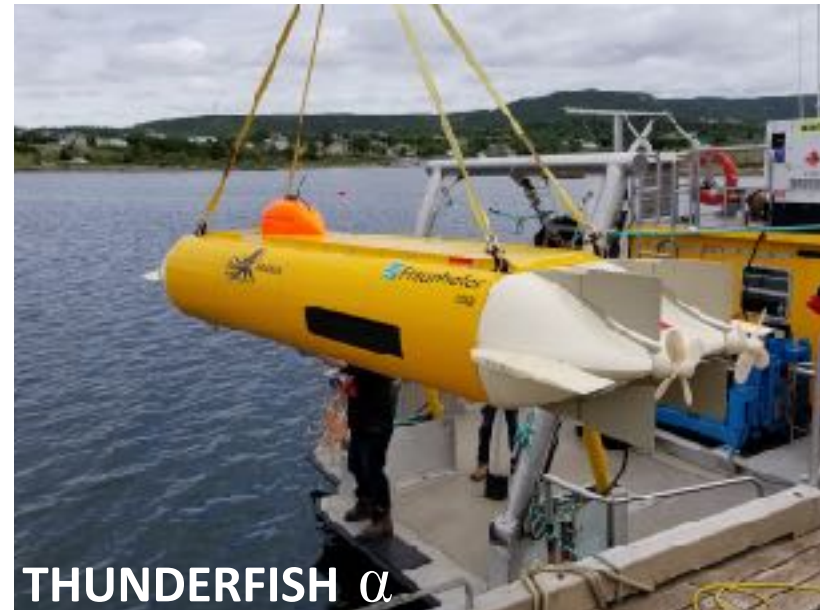
- Only SAS small enough to fit on Man Portable vehicles
- 120 meters range per side at constant 3 cm x 3 cm resolution
- RealTime SAS Processing and ATR integration
- 5-10 X the Area Coverage Rate compared to SSS typically carried on MP AUV's
- Currently Developing Payloads for Riptide 2MP and Hydroid R100



# KRAKEN Robotics as a Service



**KATFISH**



**THUNDERFISH  $\alpha$**

- **KATFISH Hi-Speed Active Towfish**  
3 km<sup>2</sup> /hr @ 3 cm x 3 cm resolution and 8 kts
- **THUNDERFISH Alpha**  
6000 m development platform
- **THUNDERFISH 6000**  
Advanced Hovering AUV
- **QUADBAND SAS**  
300 m range at 3 cm / 600 m range at 10 cm

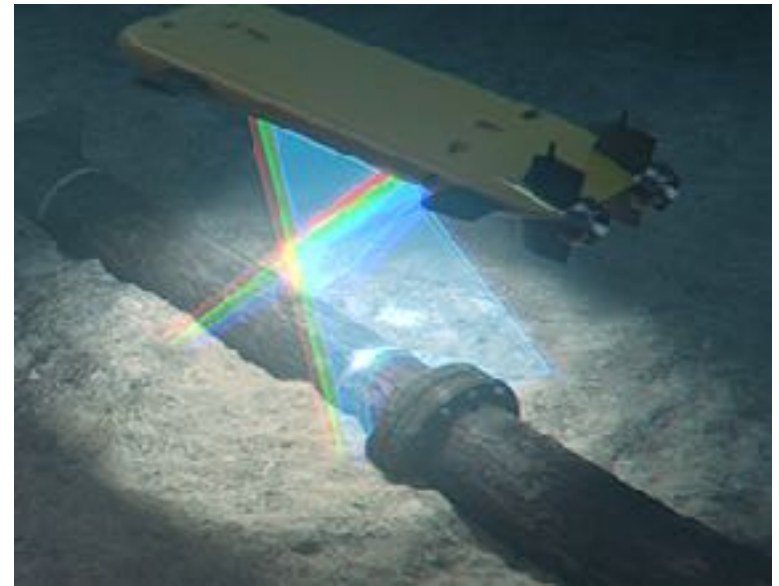


**THUNDERFISH 6000**

# KRAKEN SeaVison 3D Laser Imaging



**SEAVISION™**  
3D UNDERWATER IMAGING SYSTEM



- Real Time 3D Processing
- Sub Millimeter Imaging
- RGB Laser for Full Color Imaging
- Profiling Mode – AUV
- Scanning MODE - ROV

# For More Information



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TSX-V: PNG

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