



gaist
integrated intelligence

BridgeCat: Introduction



Jenny Roberts

Senior Project Manager,
BridgeCat

BridgeCat: The Issue to Address

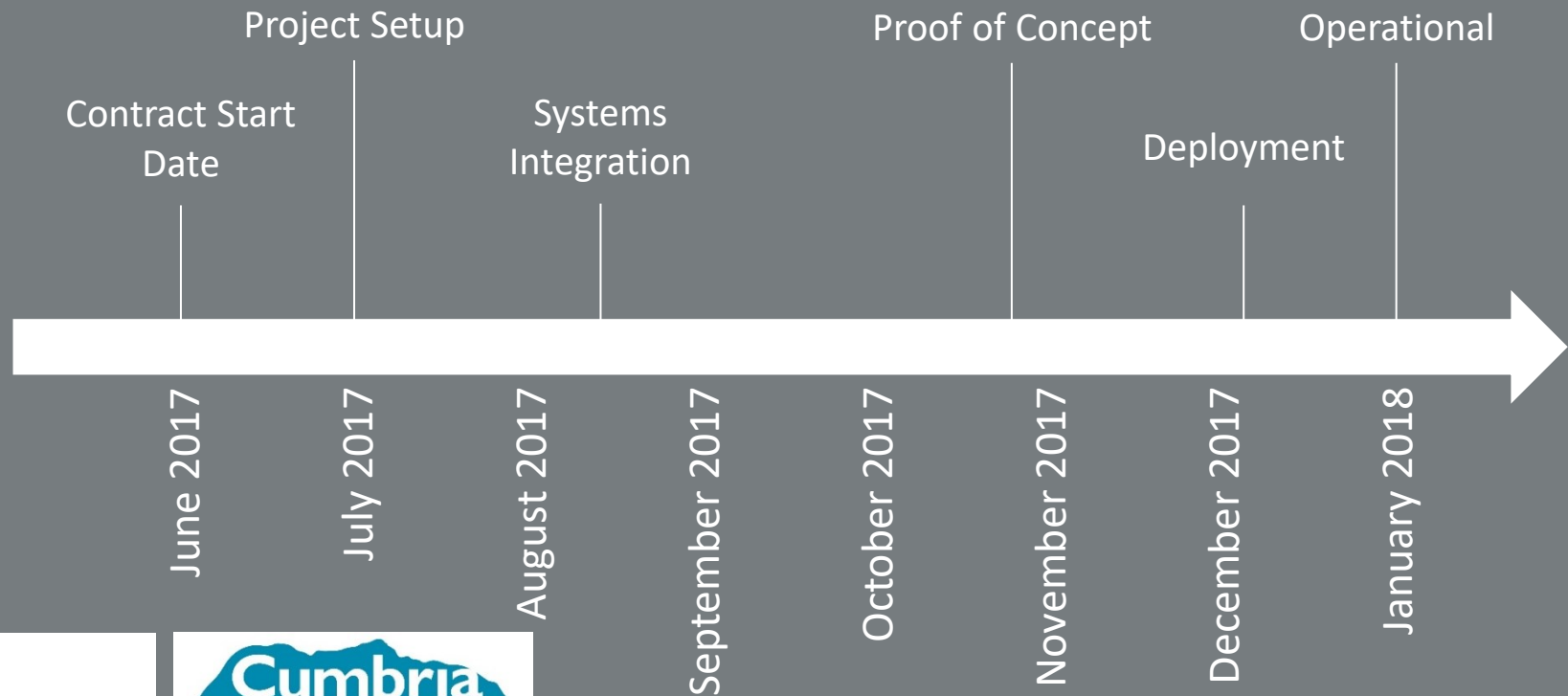


© Helipromo

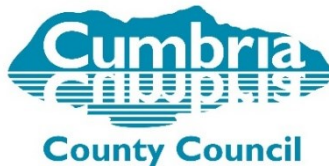
BridgeCat: The Issue to Address



BridgeCat: The Plan



Department
for Transport



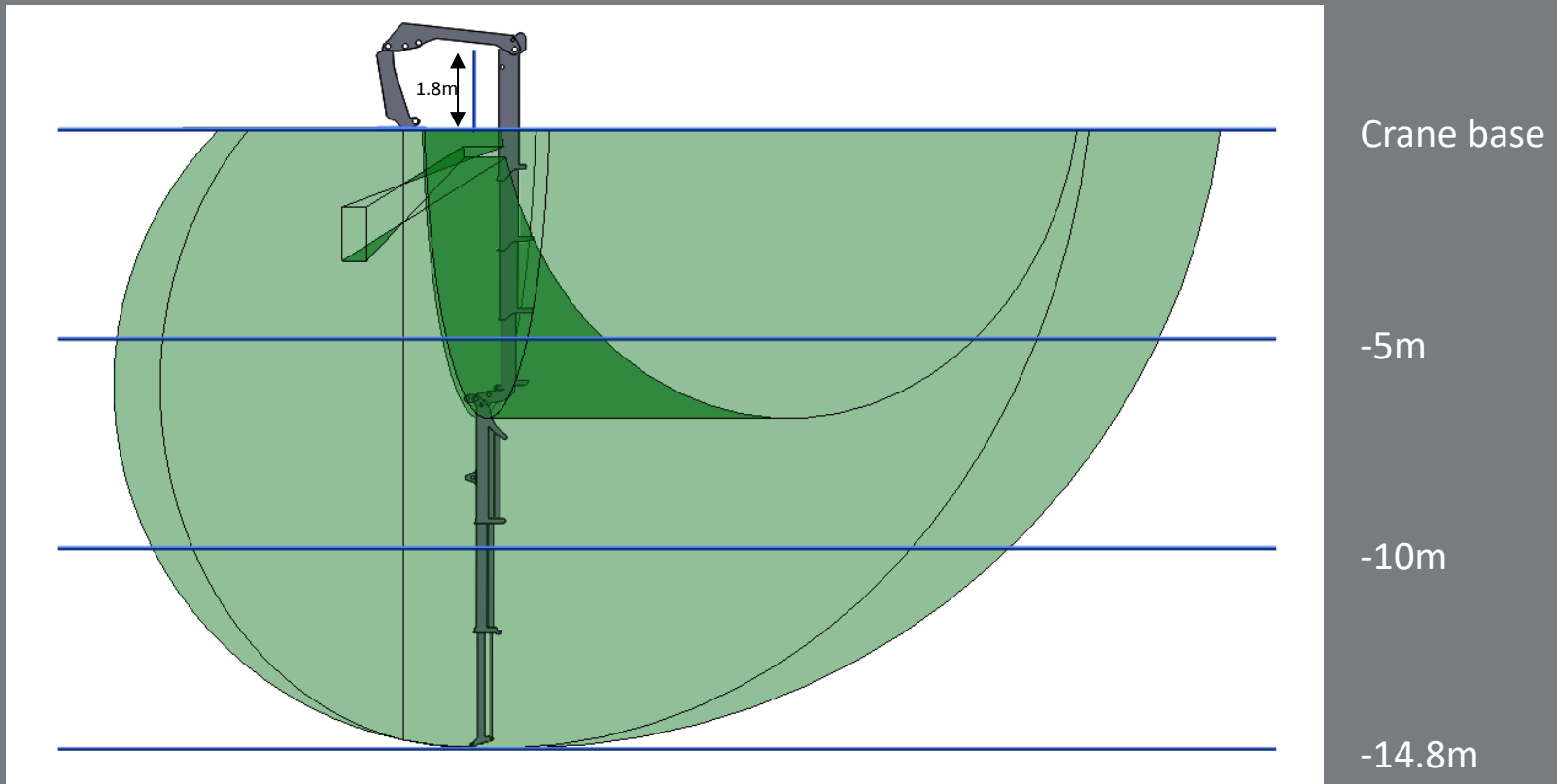
BridgeCat: The Vehicle



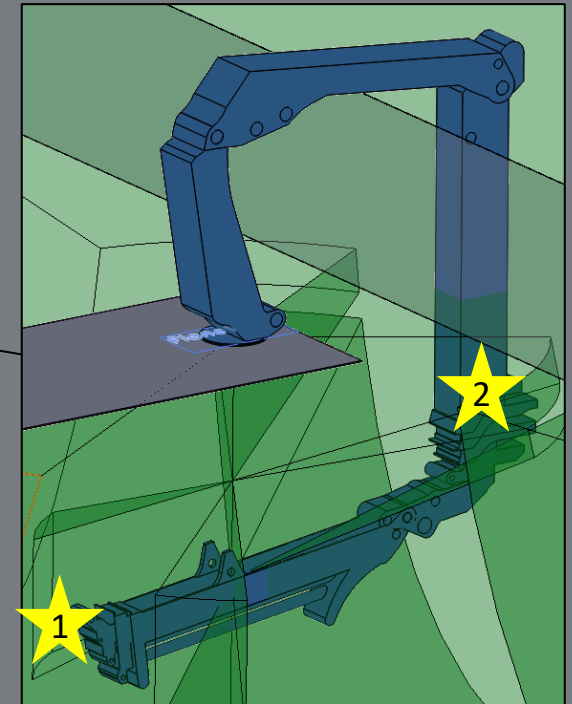
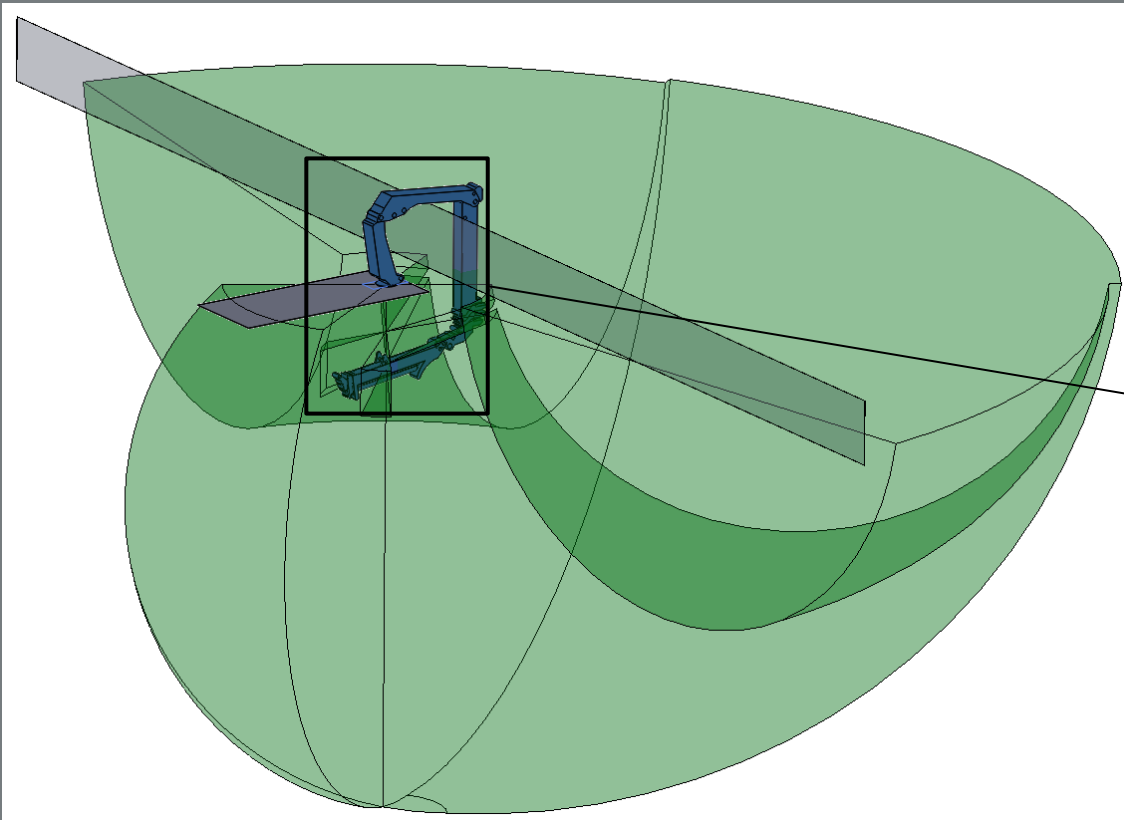
BridgeCat: The Crane



BridgeCat: Reach Envelope



BridgeCat: Camera Locations



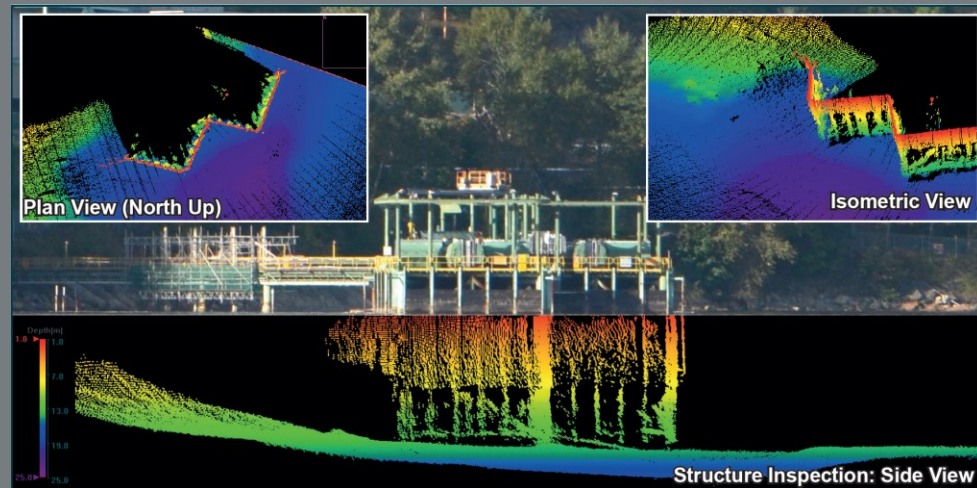
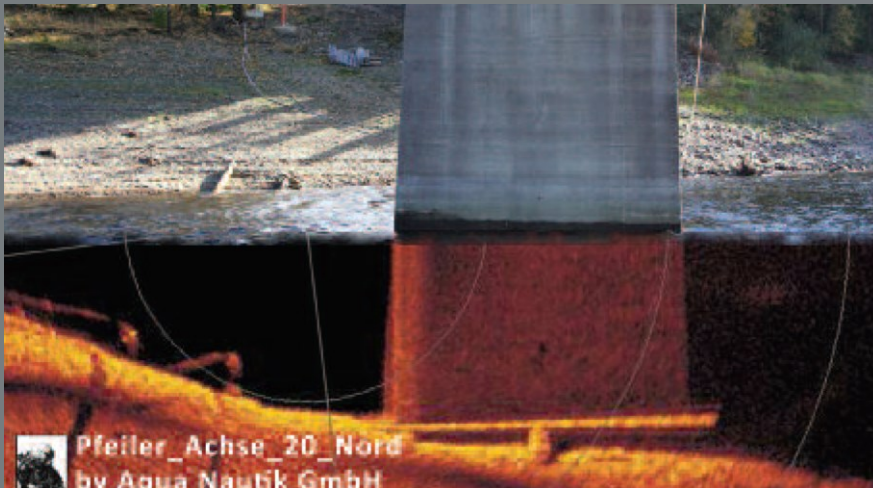
BridgeCat: Sonar Selection



Tritech SeaKing
Hammerhead

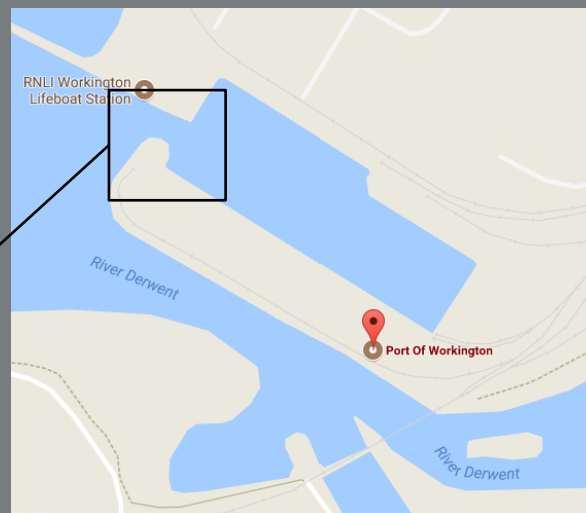
VS

Kongsberg M3
Sonar 500m



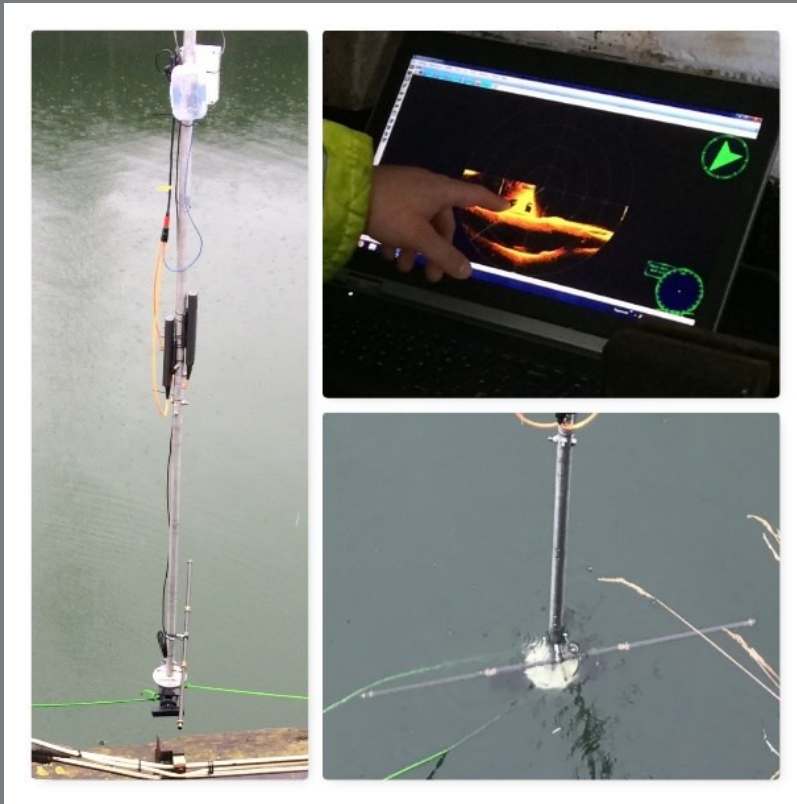
BridgeCat: Sonar Test Site

The Port of Workington

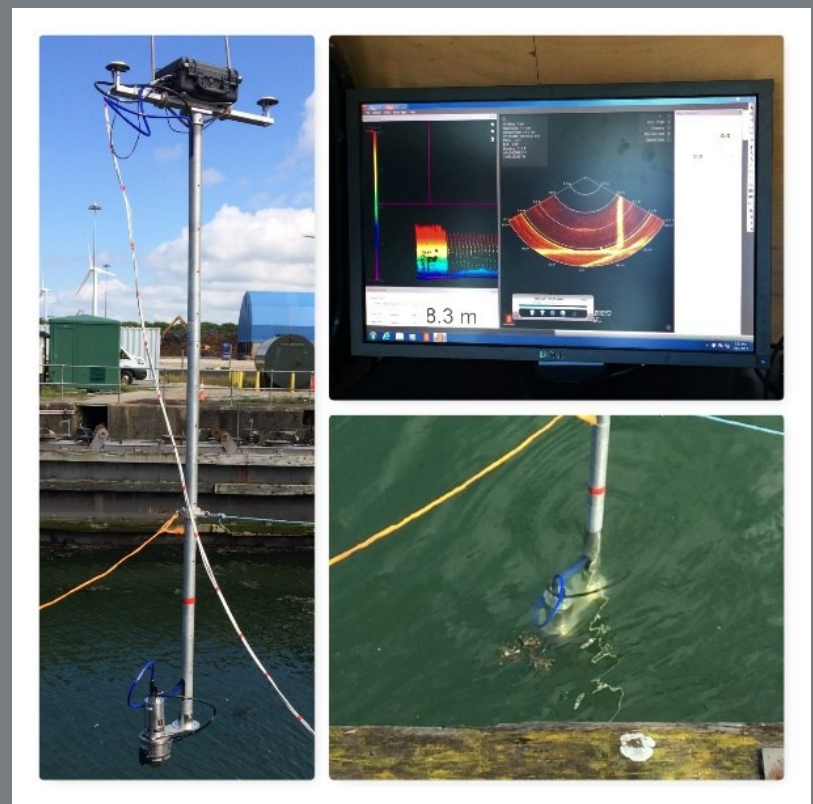


BridgeCat: Sonar Testing

Tritech SeaKing Hammerhead

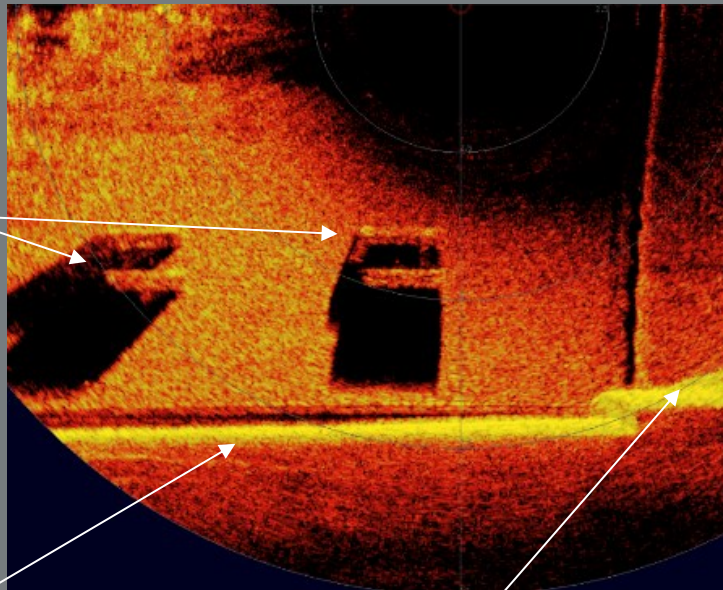


Kongsberg M3 Sonar 500m

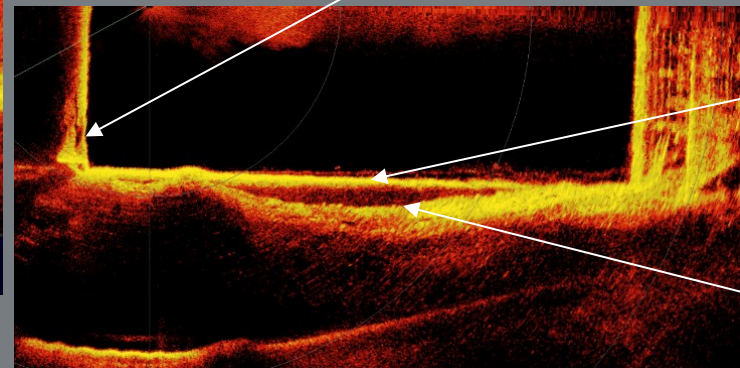
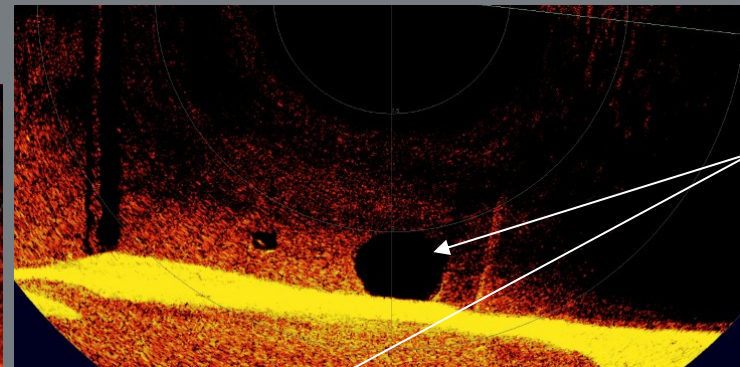


BridgeCat: Hammerhead Test

Test Site 1

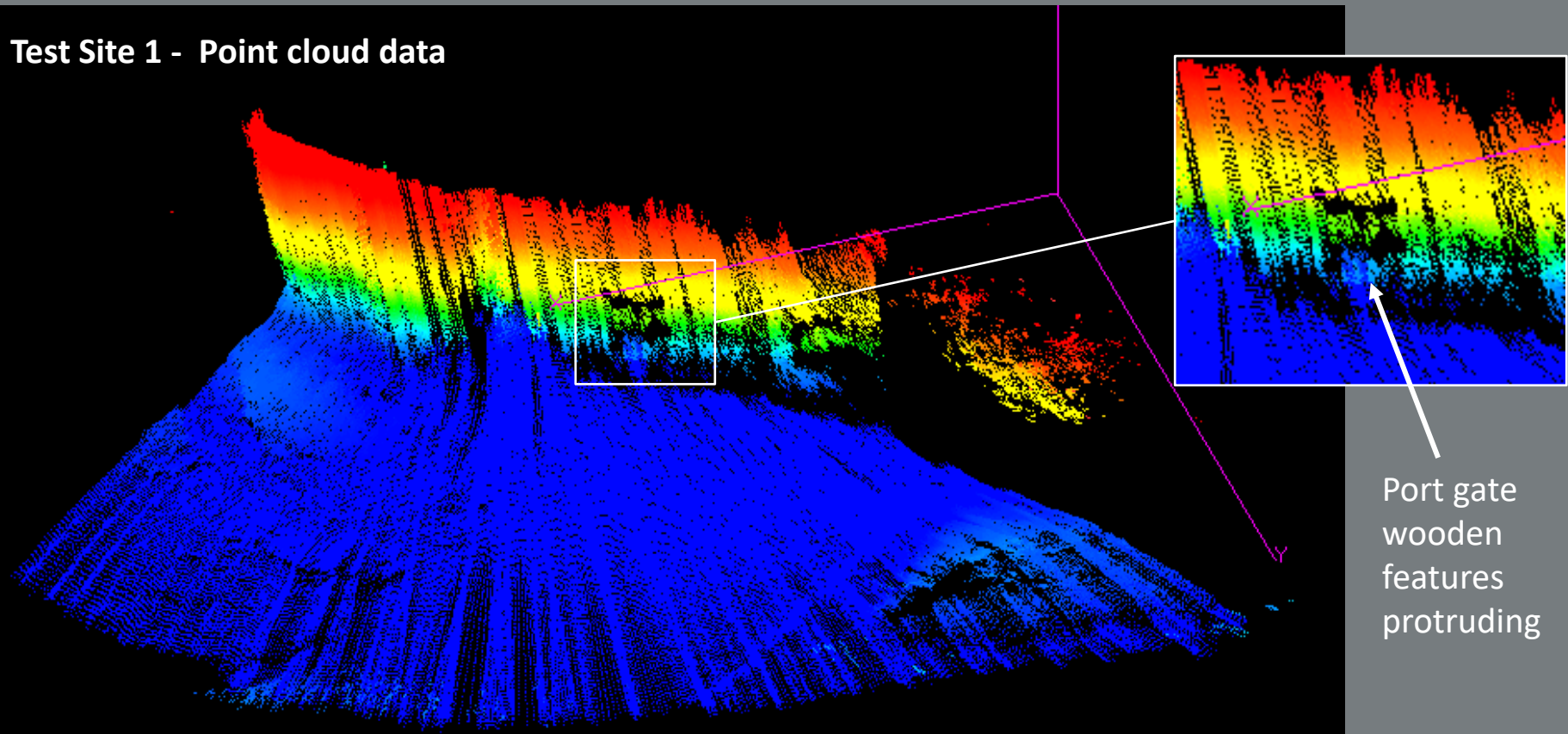


Test Site 2



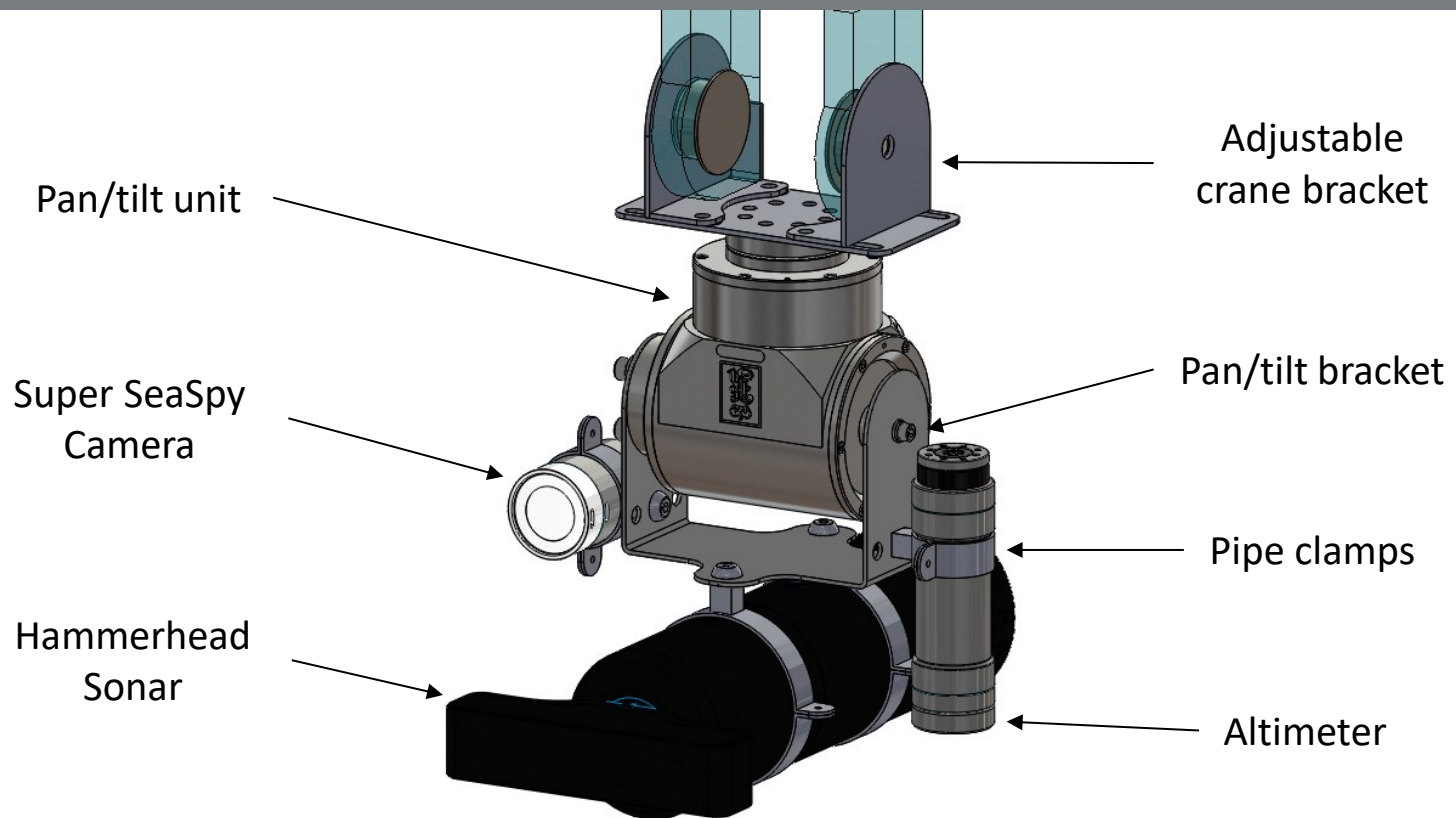
BridgeCat: M3 Test

Test Site 1 - Point cloud data

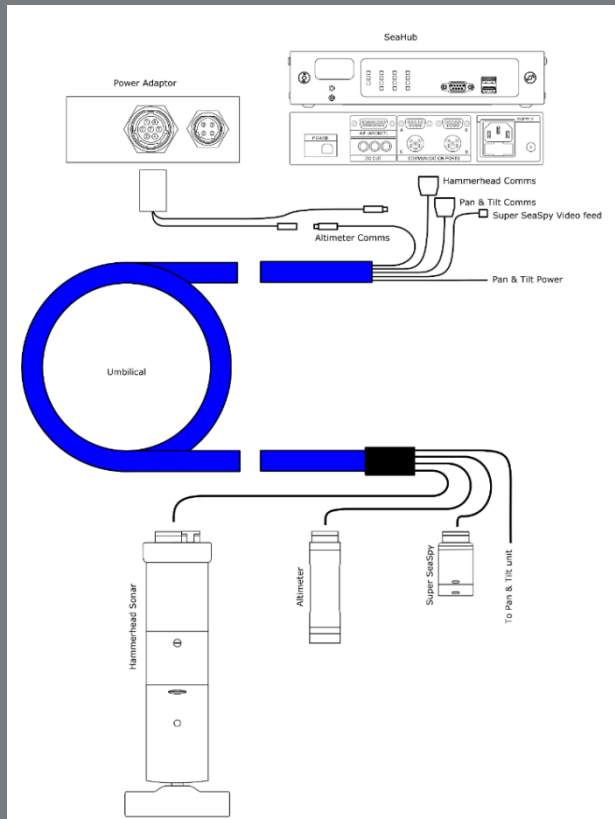


Port gate
wooden
features
protruding

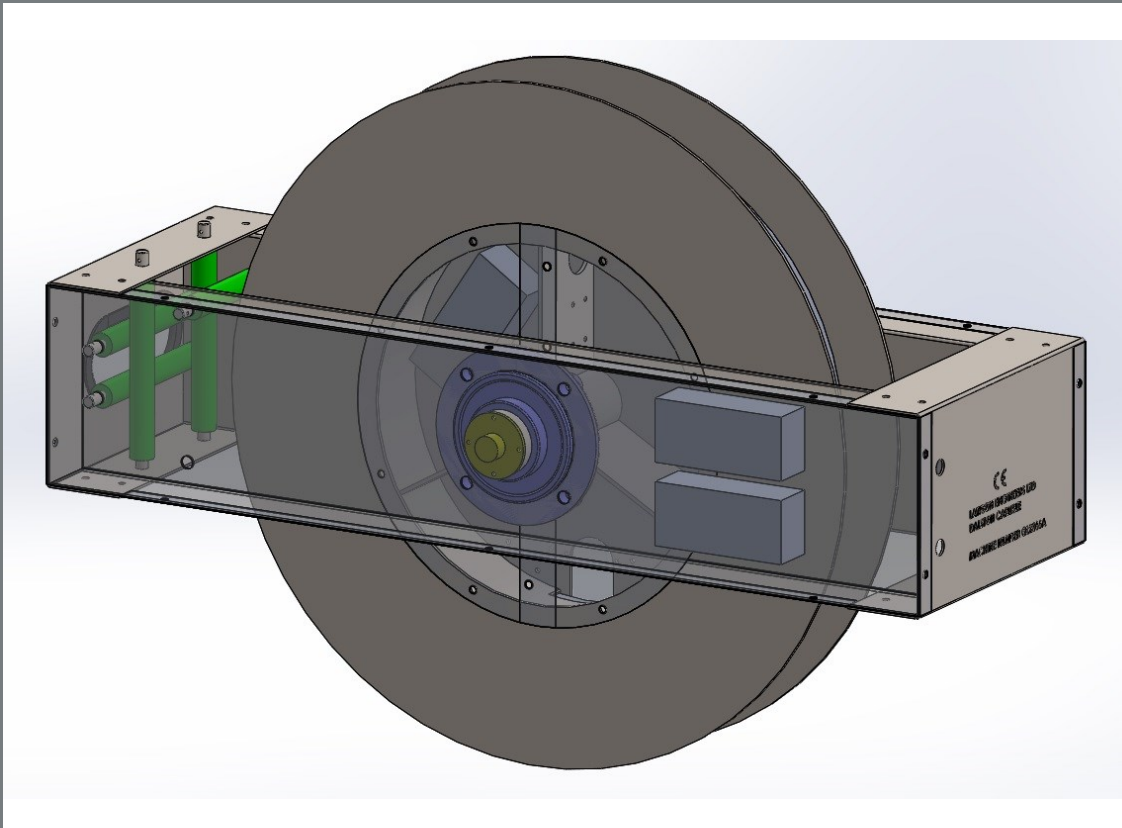
BridgeCat: Sensor Assembly



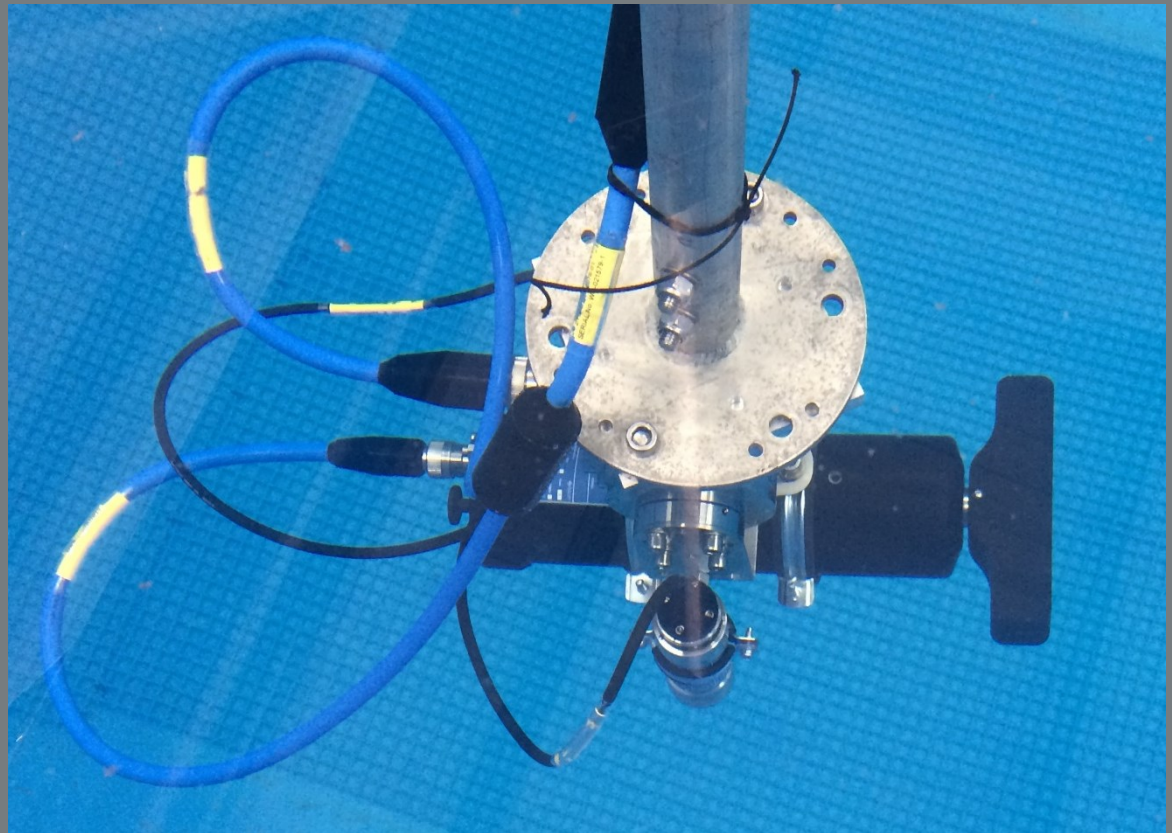
BridgeCat: Comms & Power



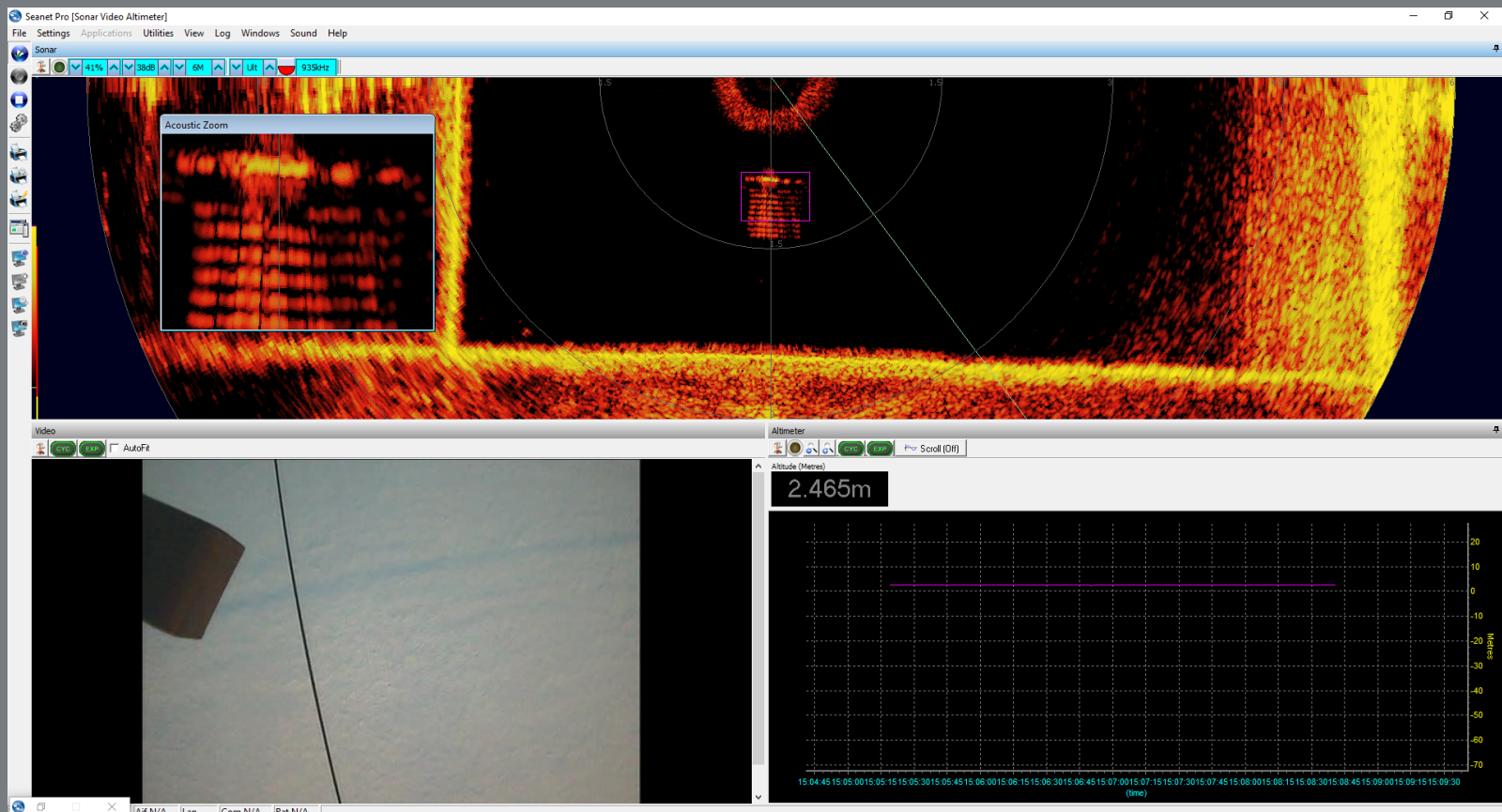
BridgeCat: The Winch



BridgeCat: Testing the System



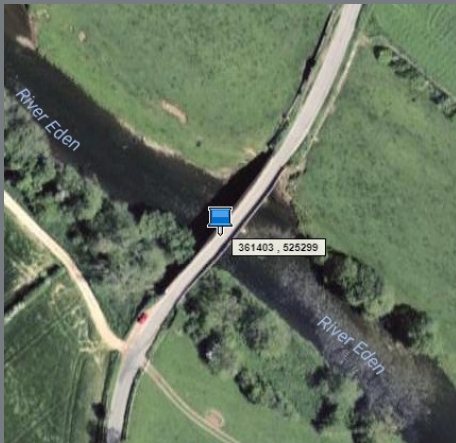
BridgeCat: Software



BridgeCat: Additional Feedback



BridgeCat: The Test Plan



- 6 test sites identified
- 6 weeks of testing
- Diver reports for comparison
- Familiarisation with system
- This is where the learning starts!

BridgeCat: Deployment



- On standby for any flood events
- Build up a bank of evidential data
- Feedback on system
- Modifications where required
- Identification of system limitations
- Sharing the learning with others

Thank You

