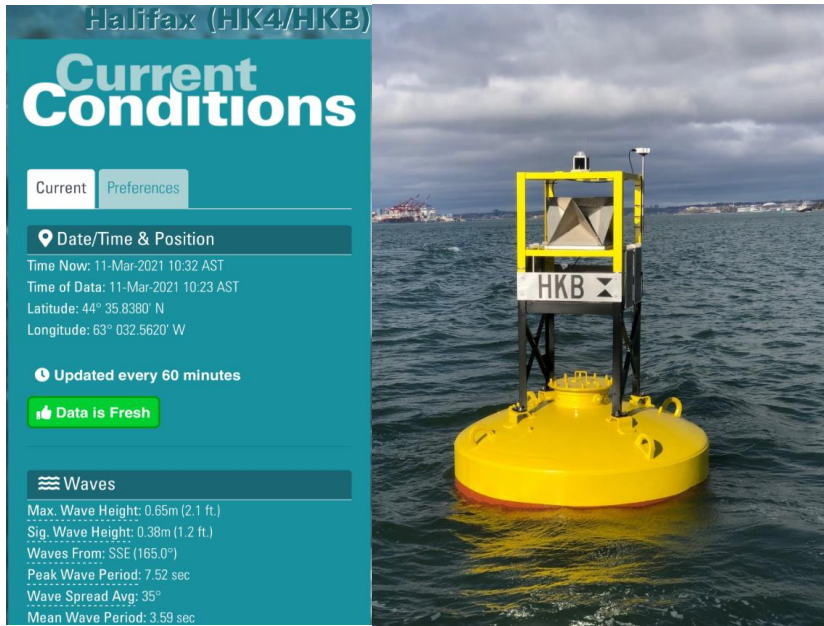


Atlantic Region e-Navigation Subcommittee

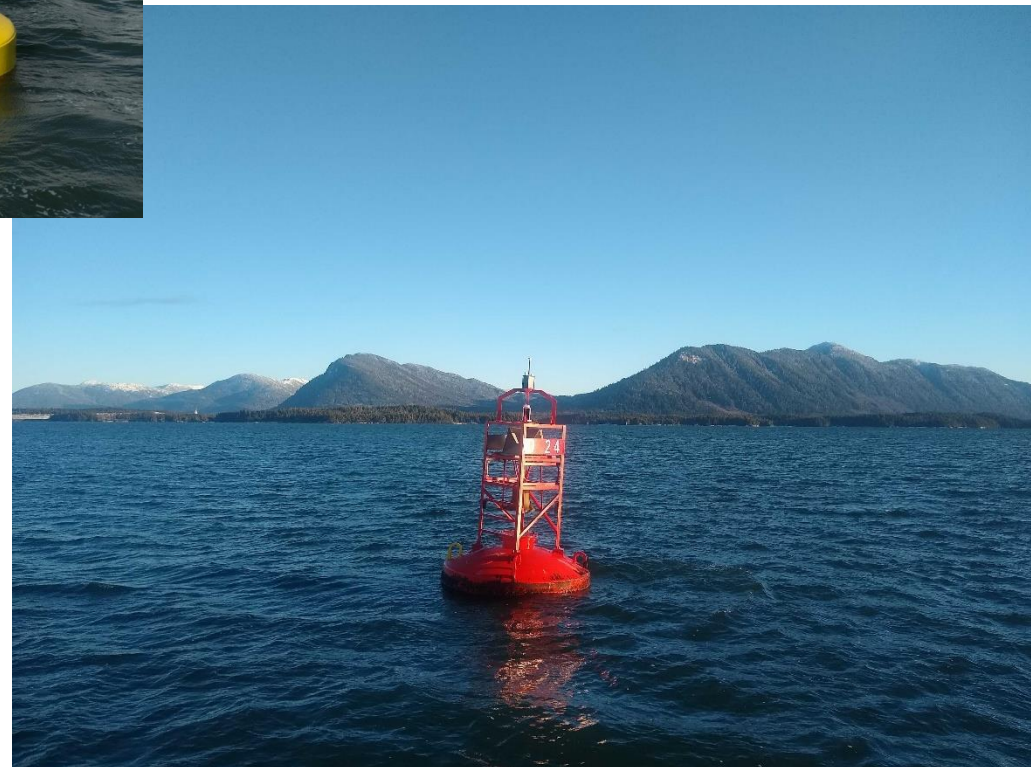
- ⌘ There have been two meetings of the Atlantic Region e-Navigation Subcommittees since our last Mariners Workshop, June 15th,2021 and January 12th ,2022.
- ⌘ In order to better align with the National Marine Advisory Board (NMAB) e-Navigation Subcommittee meetings, the next meeting will be held in the spring and then every 6 months following.
- ⌘ There continues to be keen interest in having access to Met/Hydro information in the Atlantic Region.



Wave height sensors

Two types of wave height sensors to be deployed in Atlantic Region in the coming months.

- BRIZO wave height sensor (top) to be deployed in Halifax Harbour
- Marine Labs sensor (bottom) to be deployed in three locations in Atlantic Region.



AIS Application Specific Messages

- The region continues to trial AIS Application Specific Messages.
- This year, the ECCC OPP buoys in Chedabucto Bay were added to the broadcast so that pilots are now able to see the environmental information on their PPU's.

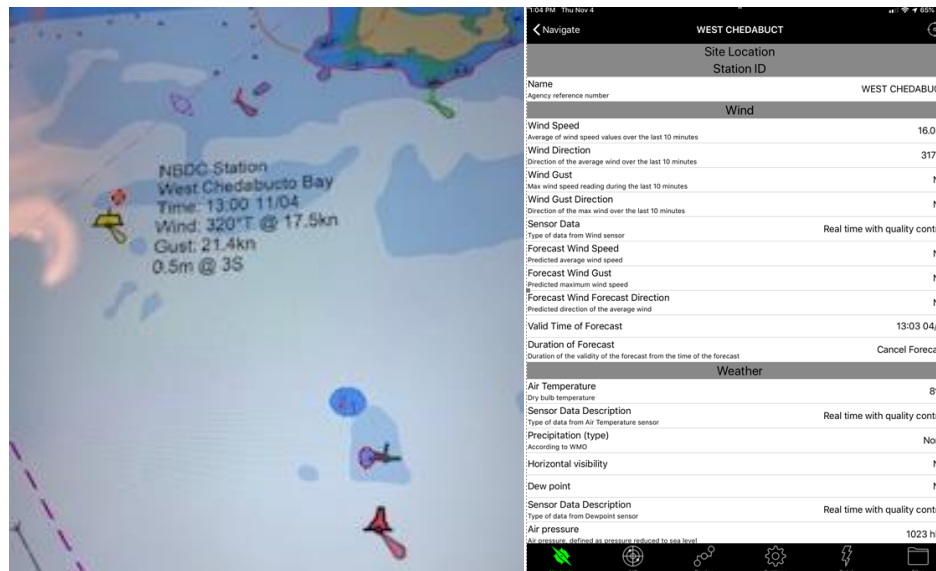
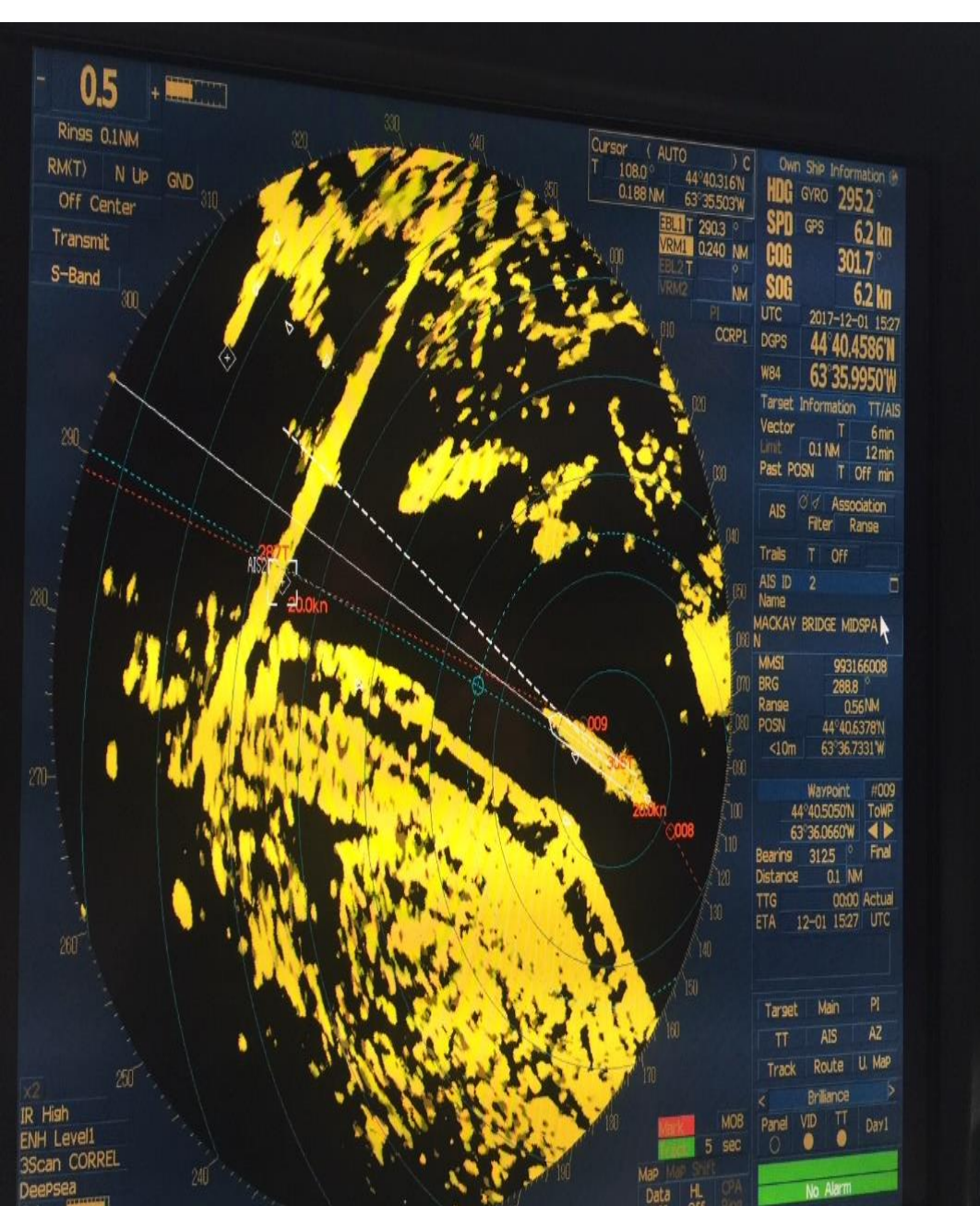


Photo: Capt. Tony Pierce

Photo: Capt. Andrew Rae



Halifax Harbour Bridges Virtual AtoN

Virtual AIS AtoNs on the Macdonald and the MacKay Bridges came on-line November 27, 2017.

The next step is to conduct a trial of the ASM Broadcast for Air Gap

Two Miros SM-140 Microwave Range Finders per bridge

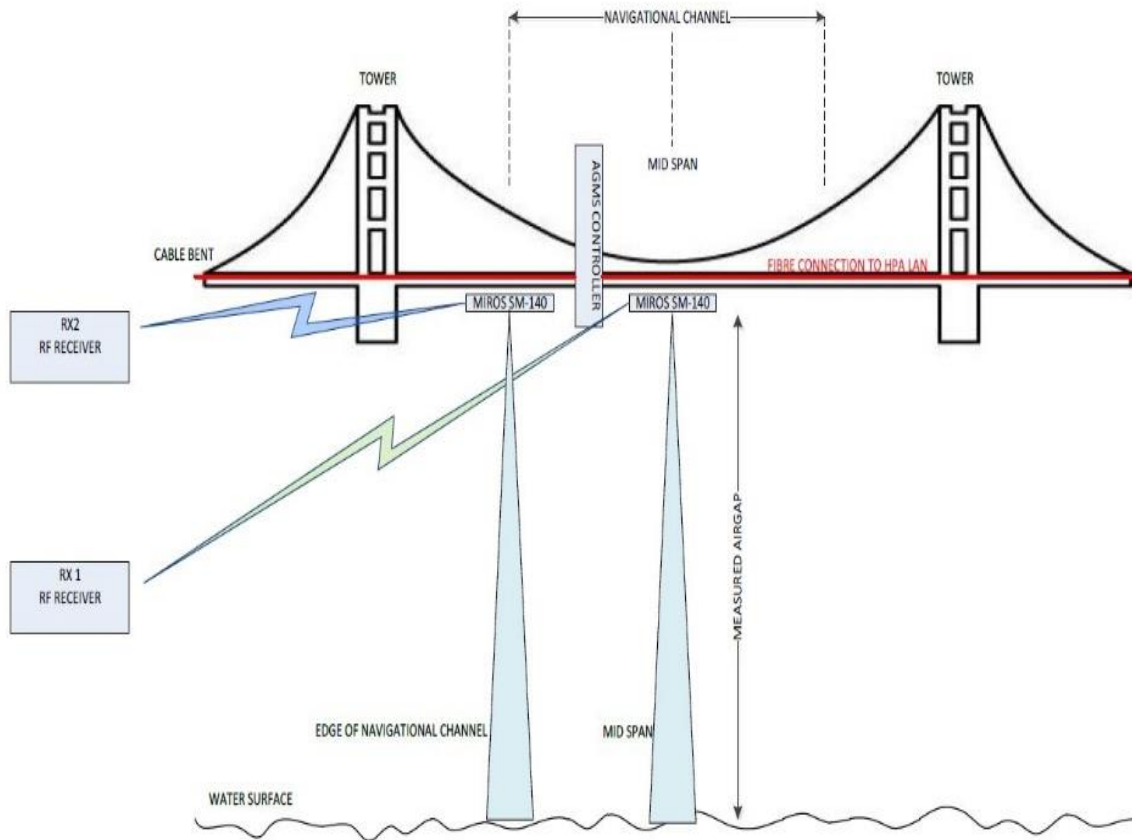
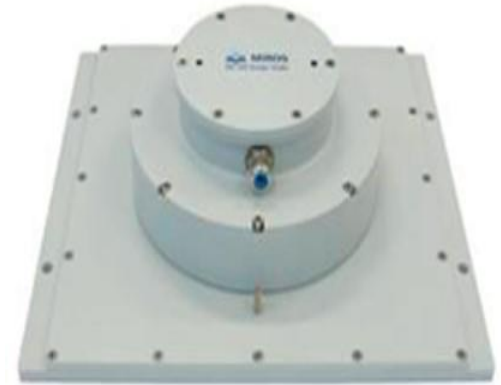
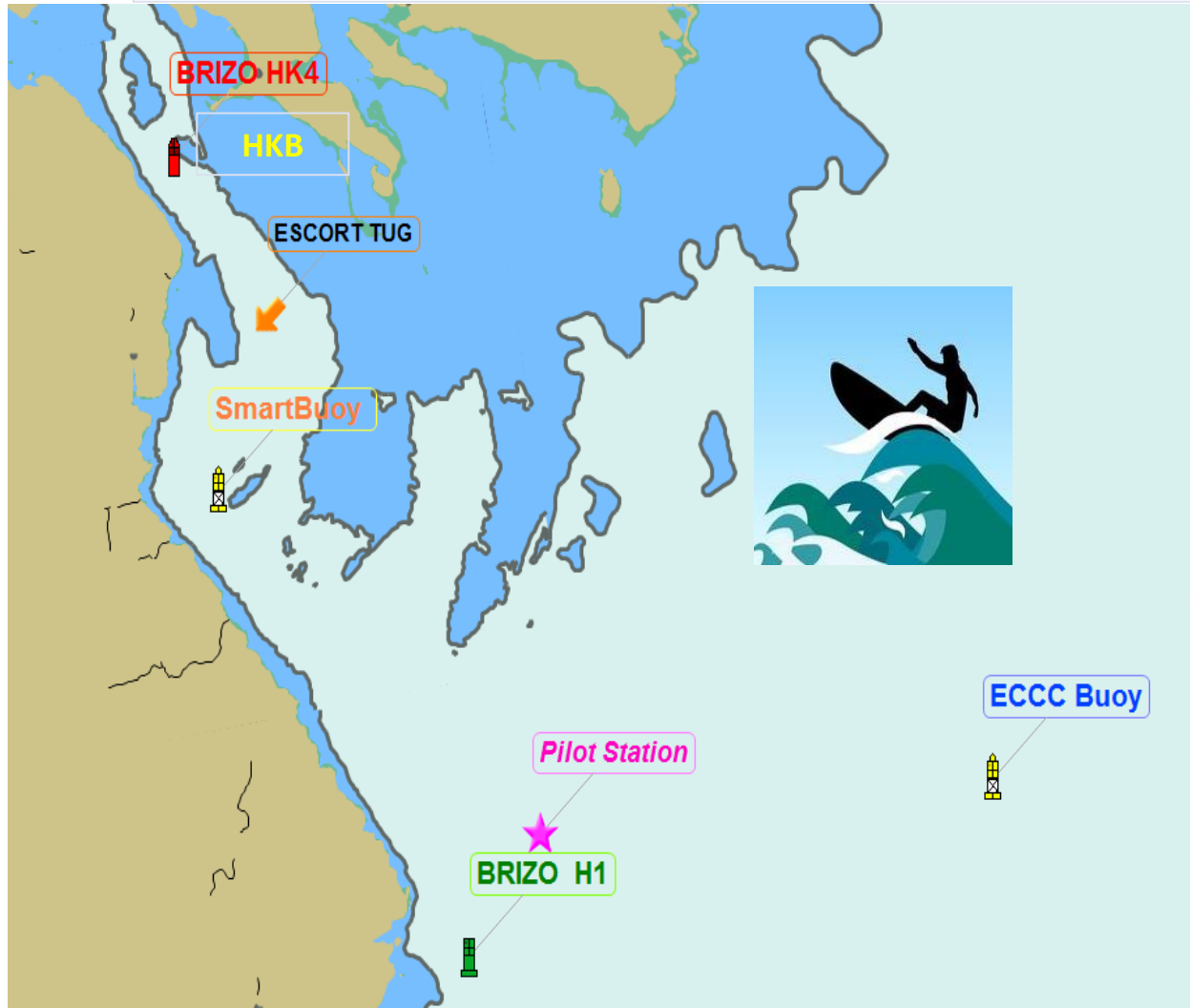


Figure 1-1 AGMS Basic System Layout

- Accuracy +/-5mm



DeepSense Project (Dalhousie University)



Met-Hydro Sensors in Approaches to Halifax Harbour

- BRIZO on HKB (sensor HPA funded / CCG Buoy)
- SmartATLANTIC Smart Buoy
- BRIZO on H1 (sensor APA funded) / CCG Buoy
- ECCC 3-metre Buoy



SIR WILLIAM ALEXANDER