

Aquatron Ballast Water

**Kevin Dunn – Director Industry Liaison
and Innovation**

**John Batt – Manager
Aquatron Lab**



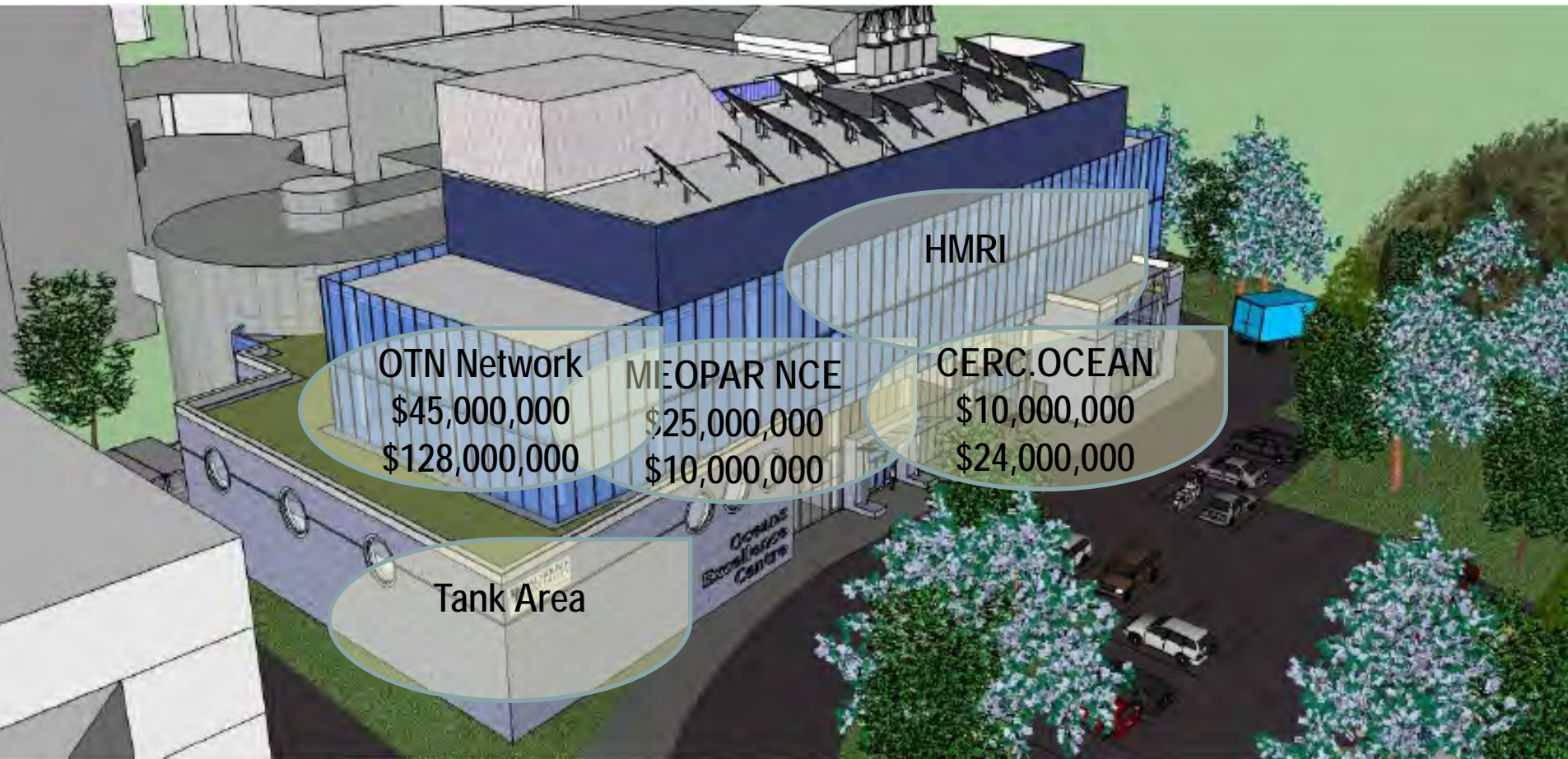
**DALHOUSIE
UNIVERSITY**

Inspiring Minds

Dalhousie University -Aquatron

- ▶ Dalhousie University based in Halifax, Nova Scotia, Canada was established in 1818
- ▶ Well accustomed to working with various partners both government, private sector and other academic institutions functioning as a full service university
- ▶ Long standing experience in research in Oceans, Medicine and Materials
- ▶ Aquatron Lab was build and functioning since 1974
- ▶ 38 years experience in temperature controlled large and small scale tanks as well as wet lab management in science areas of oceanology, marine biology, medical and marine engineering

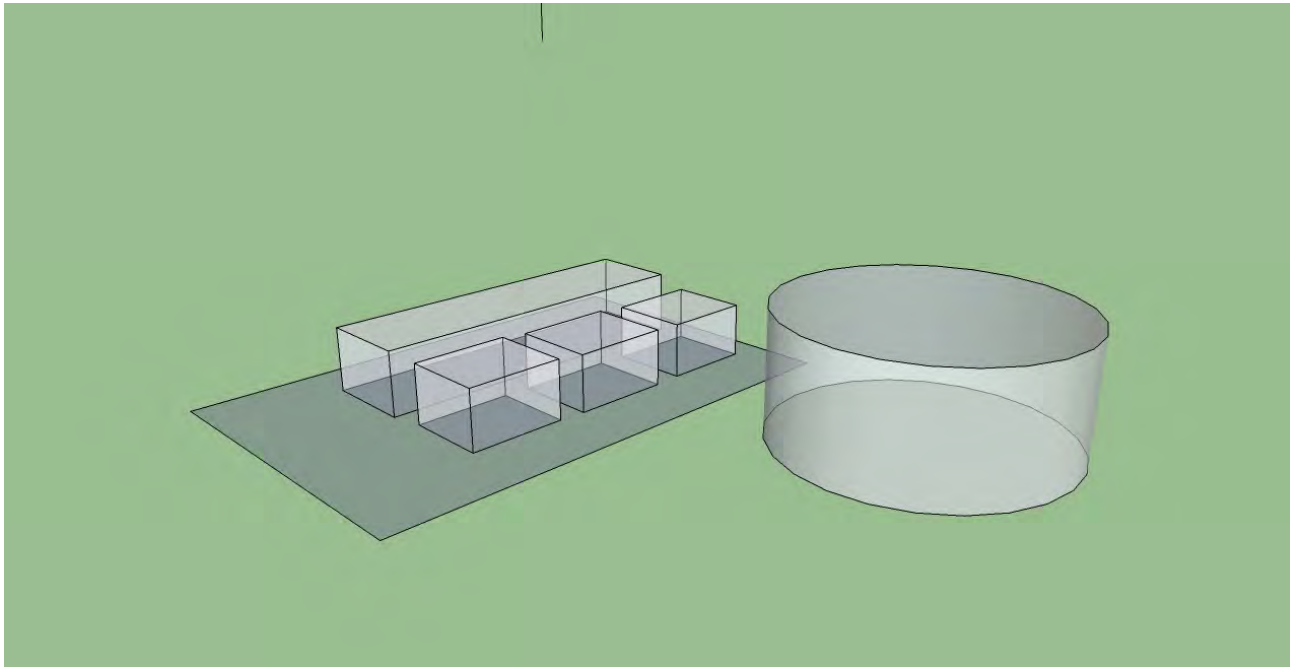
Oceans Excellence Centre: Activities and Funding



Aquatron Ballast Water Capability

- ▶ Pool Tank 684 m³
- ▶ 3 new Pools at 300 m³ each
- ▶ 1 new tank 400 m³ with atmospheric control
- ▶ Working in flow ranges from 150 m³/hr to 1250 m³/hr
- ▶ Fresh, Salt and brackish water
- ▶ Water temperatures from 1C to 30 C
- ▶ Onsite and offsite water analysis
- ▶ Professional staff
- ▶ Researchers can work with companies to understand why their Ballast Water systems performed

Aquatron Ballast Water

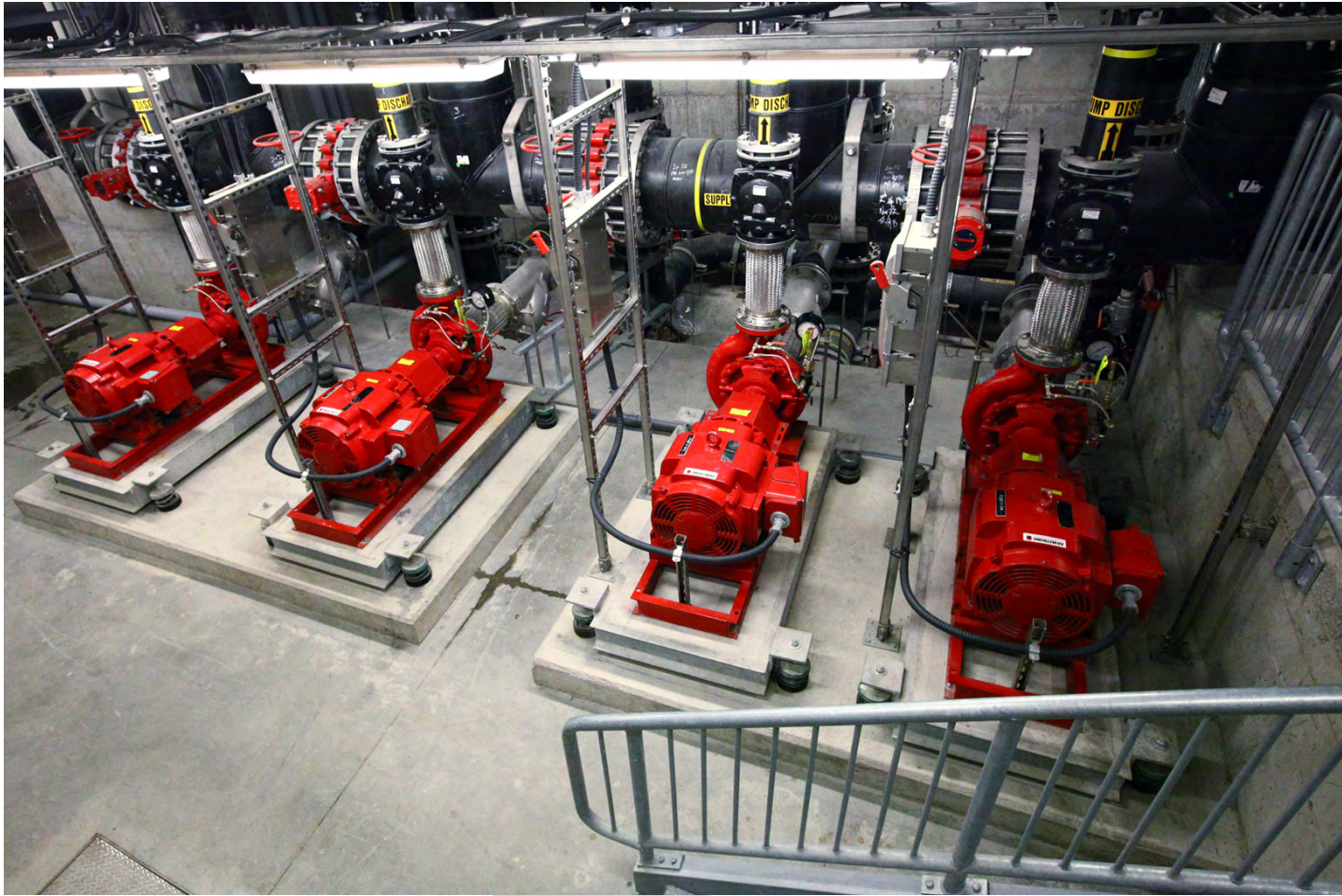


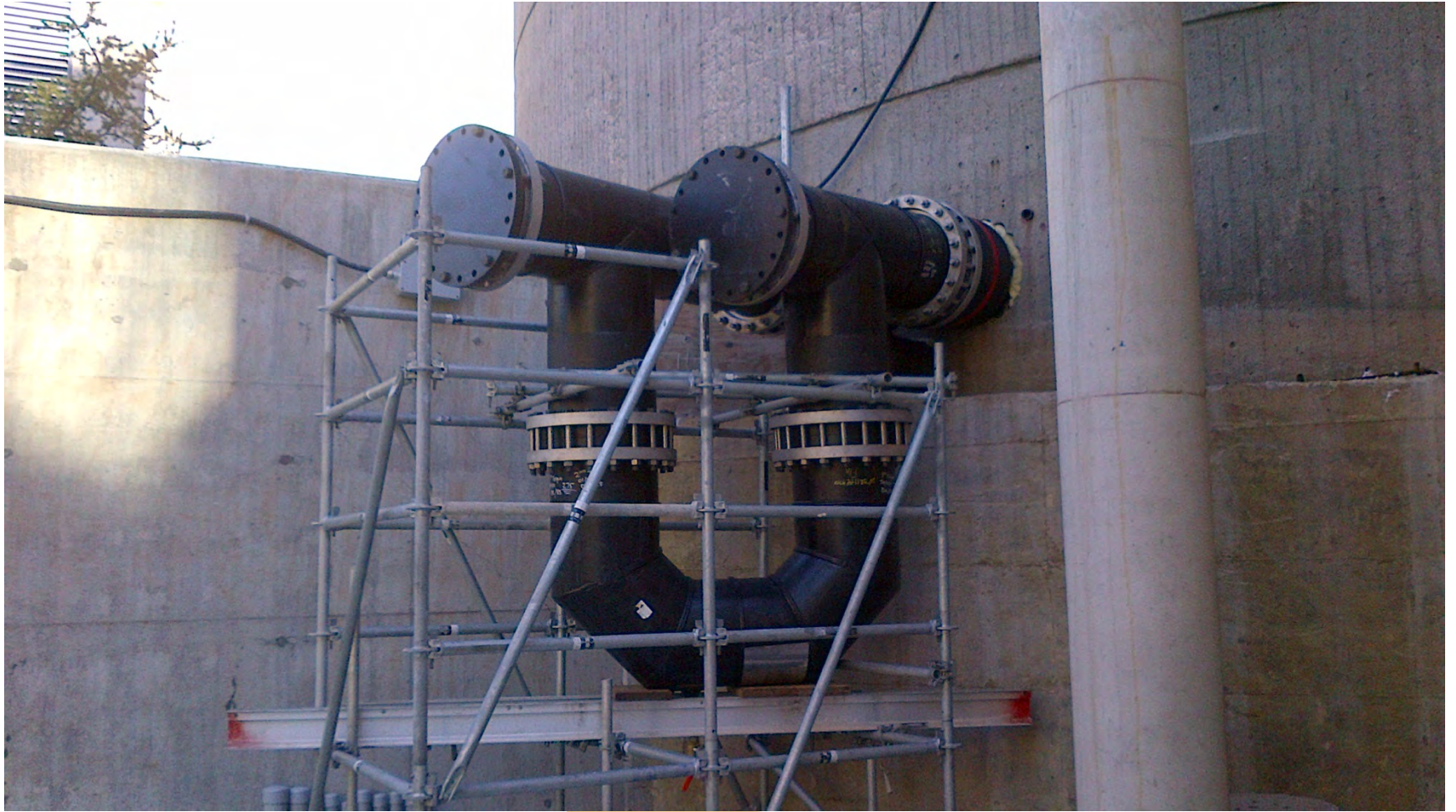
Pool Tank = 684 m³ (existing)

Pools 1 to 3 = 300 m³ (new)

Tank 4 = 400 m³ (new)







What our related experts in Ballast Water at Dalhousie University

- Marine Law Group
- Risk Mitigation (Management and Engineering)
- Lloyd Chair in Risk (one of only 4 in the world)
- Canada Research Chair in Drinking Water
- Canada Excellence Research Chair in Ocean Research

Thank You

● Questions?