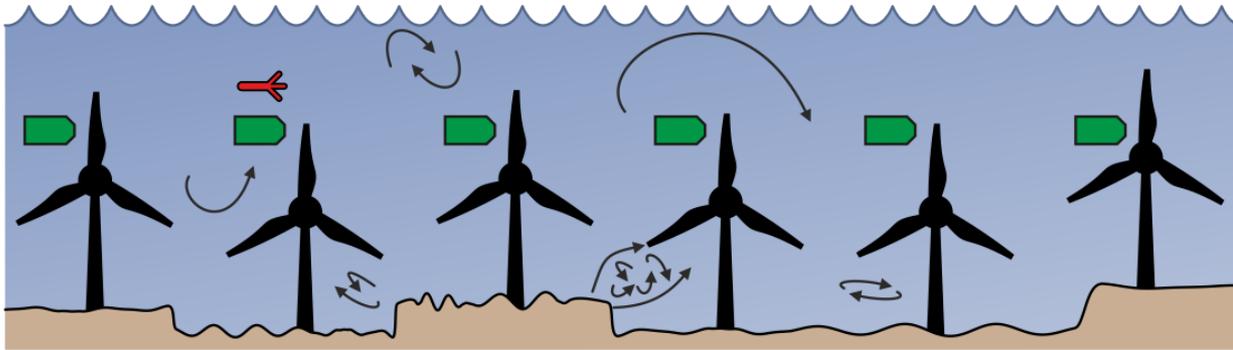


Flow measurement for accurate tidal turbine design

AIM:

Develop a new probe for robust, low-cost turbulence data acquisition at tidal sites



- High-frequency (30 Hz)
- Low cost
- Robust

PARTNERS:



UNIVERSITY OF
BATH



**QUEEN'S
UNIVERSITY
BELFAST**



Cambridge Instrumentation



**British
Antarctic Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

Flow measurement for accurate tidal turbine design

Previous work: flume-tank prototype built and tested

THIS PROJECT:

1. Build two self-contained, autonomous probes
2. Test in Strangford Lough
3. Measure spatial correlation of unsteady flow features
4. Explore use of probe in flume/towing tanks and other applications

