Flow measurement for accurate tidal turbine design

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

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