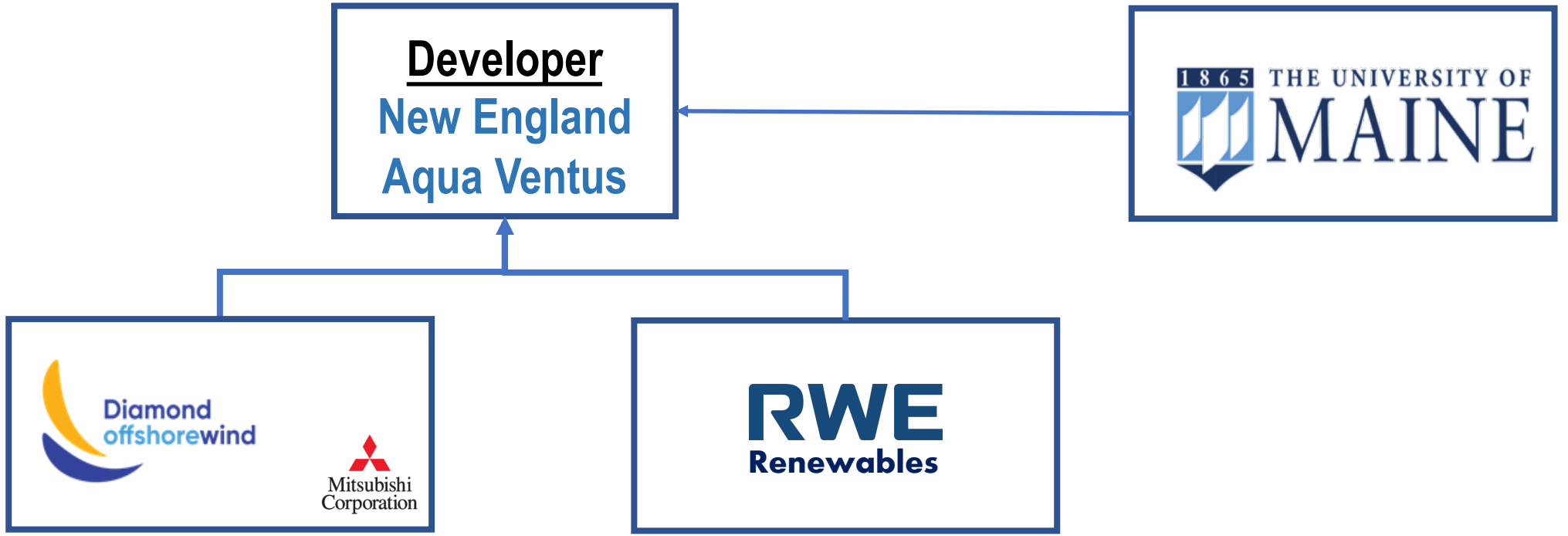
Introductions

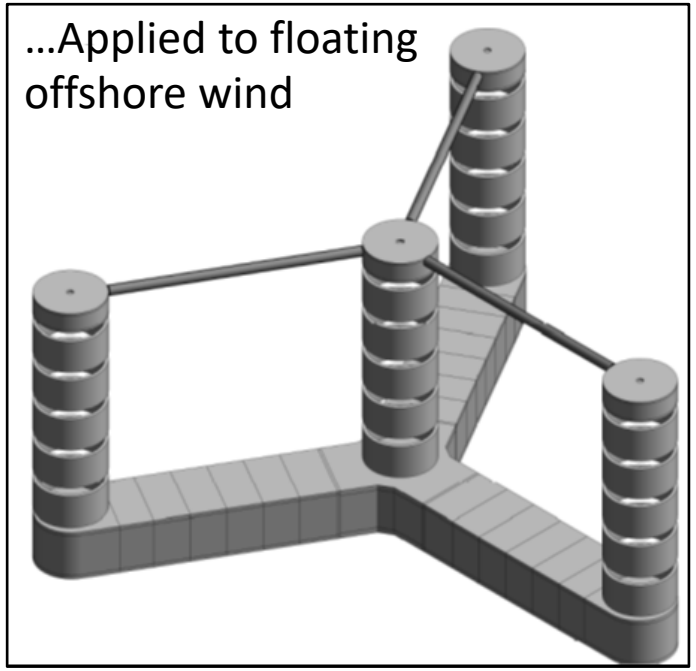


University of Maine Technology
Optimized for Maine

- Can be built in Maine
  - Concrete / not steel
  - Modular construction
  - Creates jobs in Maine
- Fits Maine's waters
  - Suited for mid-depth waters
  - Very stable & shallow draft

Common modular construction

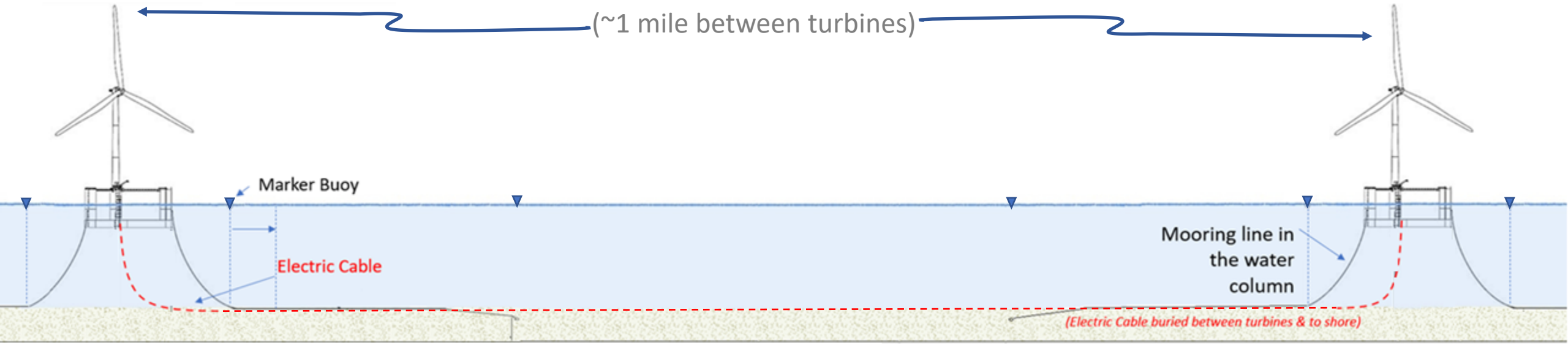
…Applied to floating offshore wind



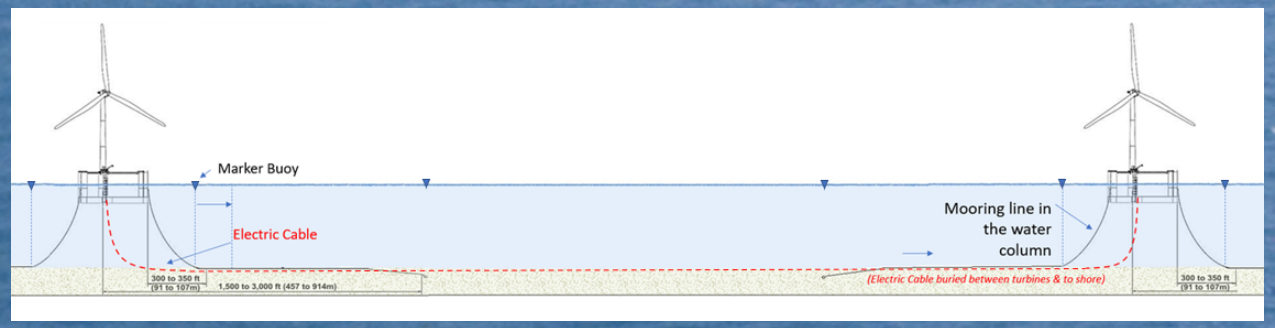
Indicative Wind Farm Geometry

10 MW class turbines using chain catenary mooring systems

- Water depth focuses technology options and general arrangement
- 300-400’ depths mean cable would mean cable is not in the water column
- Catenary mooring lines have relatively small footprint



Visualizing The General Arrangement At Scale



Research

- Unlike fixed bottom foundations, there is no world-wide body of data to draw upon to understand how floating wind farms interact with the ocean environment
- NEAV is committed to working with the State and ocean stakeholders on broad range of research goals including:
  - Environmental baseline & interactions;
  - Fisheries interactions;
  - Technology & Economic impacts and solutions
- The Technology research goals will be focused on:
  - Maximizing Maine content and Maine job creation
  - Reducing costs
  - Technology solutions to foster co-existence with traditional ocean users