How is research tackling the need for **cost reduction** and **reliability** of ocean technologies?

- **FLOATING TIDAL CONCEPTS**
  - TRL 5-7
  - To increase energy capture and quality of power output.

- **ROTOR INNOVATIONS**
  - TRL 5-7
  - To increase power capture and overall efficiency.

- **BLADES INNOVATION**
  - TRL 5-7
  - To reduce fatigue and extend lifetime.

- **BREAKTHROUGH MATERIALS FOR FIRST GENERATION TIDAL DEVICES**
  - TRL 7-8
  - To reduce structural weight and to improve thrust loading capacity.

- **NOVEL APPROACH TO 1ST GENERATION WAVE ENERGY**
  - TRL 4-8
  - To increase energy capture and quality of power output.

- **DIELECTRIC ELASTOMERS**
  - TRL 3-4
  - Fewer moving parts and reduce power-take-off complexity.

- **INNOVATIVE TIDAL AND WAVE ENERGY POWER TAKE OFF**
  - TRL 5-7
  - To increase reliability of ocean energy devices.

- **IMPROVED MOORING COMPLIANCE**
  - TRL 2-7
  - To improve power production and survivability of ocean energy devices.

- **THIRD GENERATION TIDAL ENERGY DEVICES**
  - TRL 4-7
  - To exploit untapped resources efficiently.

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*TRL is Technology Readiness Level. Please refer to the report for full assessment.*