



- ▶ A Novel Hydrokinetic Turbines Concept with
 - **Modularized** Architecture with **Reconfigurable Arrays**
 - **Ducted Design** for Flow Conditioning
 - **Folding Blades** for Dislodging Debris
 - Multi-scale and **Multi-discipline Optimization** and **Control Co-design** at Micro and Macro Levels

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