Adaptive Hydro™ is a modular and mobile system that electrifies non-powered dams and canal heads without construction or need for storage. Adaptive Hydro™ undercutts Natural Gas, the most competitive and dominant energy source (50+% market share), with cost of generation below $0.03/kWh. Adaptive Hydro™ changes the renewable paradigm by:

- Eliminating construction in deploying the equipment and significantly changing the economic positioning of new Hydro.
- Eliminating up-front carried debt allowing the amount of MW deployed to be a choice, rather than a necessity, thereby eliminating economic risk from resource variability.
- Under-deploying the amount of MW and amortizing the debt while stabilizing output: the standard 25% margin for traditional hydro becomes a 50+% margin for Adaptive Hydro™ on the same river.
- Producing stable cheap clean power without the need for any storage.
- Introducing modularity and mobility as performance insurance against resource and climate volatility.
- Is a patented technology able to adapt to a changing climate and the accompanying resource mobility.

Adaptive Hydro™ can be as easily deployed as pumped-storage hydropower making it a hydropower technology truly adaptable to all scenarios.

Value Proposition

Only 2,500 of the ~90,000 dams in the U.S. generate any power due to 1) Unpredictable and varying water resources 2) long and costly lead times 3) dominance of low-cost natural gas. GenH’s Adaptive Hydro (MEDES below) eliminates these barriers, resulting in a unique opportunity to reposition hydropower as a highly competitive, rapidly deployable, low cost, and clean energy source. It delivers multi-year stable kWh production without the need for storage, is located near demand or transmission, and on average, is half the kWh cost of Natural Gas. Adaptive HydroTM benefits dam and canal owners by providing new no cost and no impact revenue opportunities.