

A NEW APPROACH TO WATER POWER

THE ULTIMATE ENERGY SOLUTION - RENEWABLES

The global market for cost-effective and consistent, sustainable energy is immense and growing. The natural movement of water in tides, ocean currents and rivers provides a vast source of energy that can be harnessed to generate clean, renewable electricity. This energy is predictable and consistent, something that is not available with traditional renewables such as wind and solar.



THE INSTREAM ADVANTAGE - SMART AND SCALABLE

Instream owns a patent-pending hydrokinetic technology, developed in partnership with aerospace giant BAE Systems, that provides a reliable and versatile approach to generate clean and cost-effective power. The Instream strategy uses small and smart devices networked together to create a floating power plant that can be scaled to any size. Rather than large capital intensive systems, Instream's technology is applicable to a much broader market. The ability to build power plants in shallow marine or inland waterways increases market reach and dramatically reduces the costs and risks associated with tidal devices.

Instream has completed proof of concept demonstrations in Canada and the United States, where it has realized a 71% increase in efficiency from the prototype baseline resulting from the BAE Systems design, validated in the field by Sandia National Labs, US Department of Energy. Instream's existing Roza Canal Project in Washington serves as an ongoing sales showcase and development centre.



"Instream approached us with a fundamentally sound product design, we improve its efficiency and build quality. It's fantastic to see the system being deployed." - John Rossall, BAE Systems.



INSTREAM EXPANSION AND GLOBAL REACH

Instream has secured a seabed berth and up to 30MW of grid capacity in Wales which will serve as a commercial project and offers expansion sales opportunities with a UK developer and will be the first of a pipeline of global projects. Instream is currently engaged in an engineering program with Canadian and United Kingdom partners to complete a floating platform for global marine markets.



INSTREAM VERSATILITY - A KEY COMPONENT IN MONITORING BRIDGE SAFETY

Instream Energy Systems will supply a tidal turbine to the University of New Hampshire (UNH) led Living Bridge Project, a renewable energy and smart infrastructure demonstration project. The Project is a collaborative effort led by UNH with the participation of the New Hampshire Department of Transportation and the National Science Foundation. The Living Bridge Project's purpose is to install sensors on the bridge to provide a wide range of data, from the status of the bridge's health, to traffic, weather, sea level, and tidal information. The sensors will be powered by tidal energy harnessed by Instream's tidal turbine installed beneath the bridge. The Project has wide ranging implications for monitoring the life of capital assets worldwide.