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FOR IMMEDIATE RELEASE

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A TOOL TO DESIGN FISH FARMS AND TIDAL ENERGY DEVELOPMENTS IN A SAFE AND SUSTAINABLE WAY

Canadian Company Releases Software to Enable Tidal Energy Developers and Fish Farmers to Design Safe Structures and Operating Procedures

Dynamic Systems Analysis Ltd (DSA) has announced today that its software package ProteusDS, which is used to prevent marine accidents, is available to be licensed. ProteusDS has been created to give engineers a tool to safely design complex ocean technologies that are subject to strong tidal currents, wind and waves.

Since its founding in 2006, DSA has been providing its partners with the expertise to create many different types of marine structures and technologies. ProteusDS has been DSA's key tool in this endeavor. ProteusDS has been used for a wide range of applications, from moorings, to fish farms, to tidal energy devices. The external release of ProteusDS means that more companies trying to build structures in the ocean will have a means to test their ideas.

ProteusDS is like a virtual test-tank. It allows for the construction of a virtual prototype of a technology, such as a tidal energy device or a fish farm. Once created, the virtual prototype is then subjected to simulated wind and wave conditions and the response of the prototype is measured. In some ways ProteusDS is similar to an extremely advanced video game that gives designers an opportunity to see what their technology will do in the water before actually performing high risk operations.

ProteusDS contains advanced hydrodynamic and finite-element engineering models that are used to predict the potential failures of equipment. The models have been developed by DSA and were borne out of research started at the University of Victoria.

DSA was started by Dean Steinke and Ryan Nicoll through the technology transfer office at the University of Victoria, in Victoria, BC. Today DSA has offices Halifax, NS and Victoria, BC.

If you would like more information on this topic, please contact Dean Steinke at 902 488 7891 or Dean@dsa-ltd.ca.