

## ANOTHER ROV BUILD FOR ISE AND FUKADA SALVAGE

**Port Coquitlam, BC** – International Submarine Engineering Ltd is pleased to announce the contract to build a 50HP 3000 M Depth HYSUB ROV for Fukada Salvage and Marine Works, Japan.

The Fukada HYKUYO HYSUB 50-3000 is a versatile and capable medium duty work-class ROV. The vehicle will be outfitted with two manipulators, one 7-function and one 4-function along with assorted tooling for a broad range of operational capabilities. Vehicle sub-systems include a HD colour zoom camera, a low light camera, four POV cameras, a variable frequency scanning sonar, an altimeter, and DVL. This ROV will also be outfitted with a tool sled allowing for integration of diverse work packages. The ISO 20ft control van includes seating for a pilot, co-pilot and observers with integrated consoles and video displays. This container is easily mobilized and demobilized on Fukada's dedicated vessel, Poseidon 1.



The Launch and Recovery system (LARS) for this new Fukada ROV will be supplied by Sound Ocean Systems, Redmond, Washington.



The SOSI skid mounted LARS for the 50HP ROV will consist of several key elements including base skid, umbilical winch, A-Frame with docking assembly, and hydraulic power unit (HPU). Designed in accordance with ABS rules, the safety features such as automatic latches, failsafe braking, docking head rotation, and multi-directional damping potentially increase in the user's operational weather window and provide additional vehicle protection.

The 50HP ROV will be installed on Fukada Salvage's new vessel Poseidon-1 that was launched on February 7<sup>th</sup>, 2015. The vessel and ROV will commence operations in July of this year.

This vehicle will be the 10<sup>th</sup> ISE built ROV for Fukada. ISE has also provided Fukada with a 3000 M Depth Explorer Autonomous Underwater Vehicle (AUV).



*FUKADA's New Vessel Poseidon-1*

### **Fukada Salvage & Marine Works Ltd.**

Fukada Salvage and Marine Works Co. Ltd.'s was established in 1910 and was originally based in Kure, Hiroshima Prefecture. Originally concentrating on salvage alone, Fukada's operations expanded following reorganization in 1949. Their head office is in Osaka, Japan, and their business expands to include marine construction, bridge installation and civil engineering.

Fukada's fleet includes the MV Musashi, which has the world's largest class floating crane, capable of lifting 3700 tons. Fukada's fleet of ISE ROVs cover all operations required for the company, including cable burial, salvage, research and survey. Fukada is one of Japan's largest full service subsea equipment and service suppliers.

### **International Submarine Engineering Ltd.**

ISE was formed in 1974 to design and build underwater vehicles. Based just outside Vancouver, Canada, ISE has delivered 240 vehicles and over 400 robotic manipulators to more than 20 countries around the world.

The ISE family of vehicles includes AUVs, ROVs, submersibles, semi-submersibles, and active towfish. ISE also has extensive robotics capability, having built subsea manipulator systems and land based robotic systems. These systems have been deployed in various applications ranging from remote intervention in hazardous environments, automated refueling and robotic manipulator training systems for space.

For more information please contact:



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