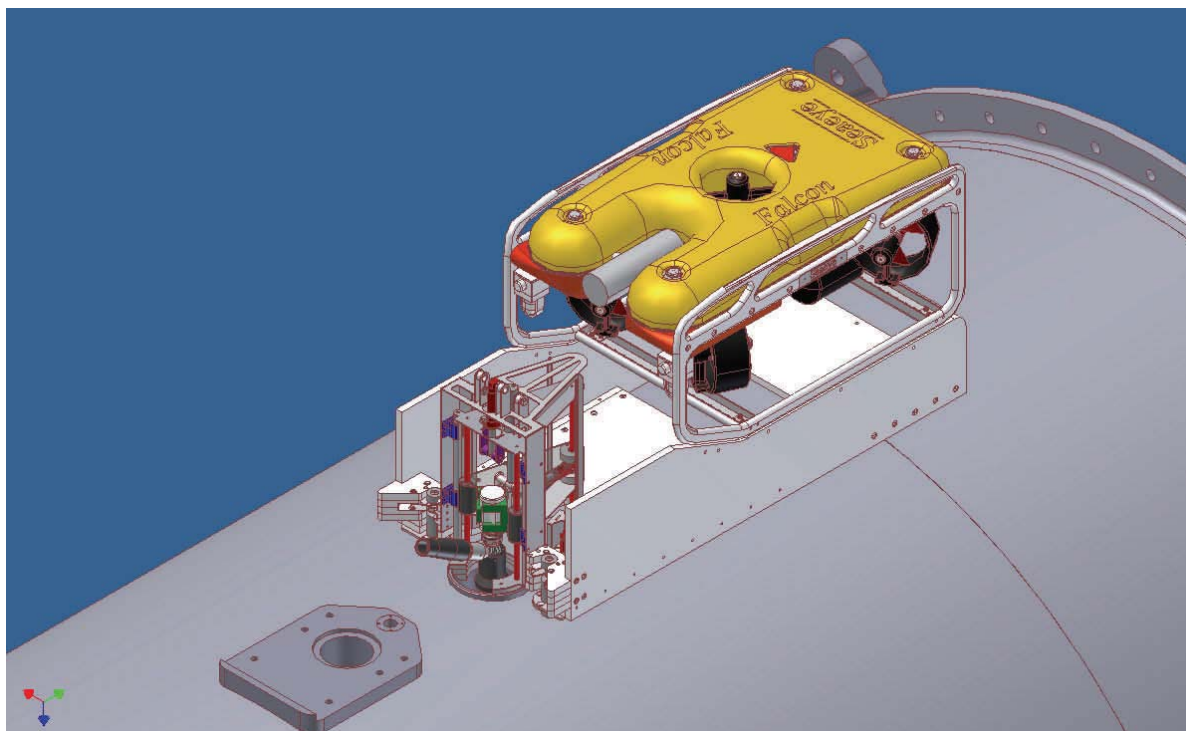




ROV tooling for Tidal Turbines



Hydro-Lek has developed a simple tooling system for subsea renewable energy installations and maintenance using smaller ROVs.

Key benefits of the system developed so far include the ability to perform high load tasks requiring forces which exceed those normally expected of the smaller ROV.

In addition to this, a single tooling system has been used to carry out multiple tasks during deployment of tidal turbines such as

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- Connecting/disconnecting the umbilical cable supplying power and control to submerged turbine
- Placing protective cap over recessed connector
- Opening/closing safety swing doors on clamp which holds turbine in place underwater
- Attaching winch rope to top of turbine tripod
- Lifting and positioning a 1.667 kg plastic spacer
- Cutting a winch line to abort winching operations, if necessary