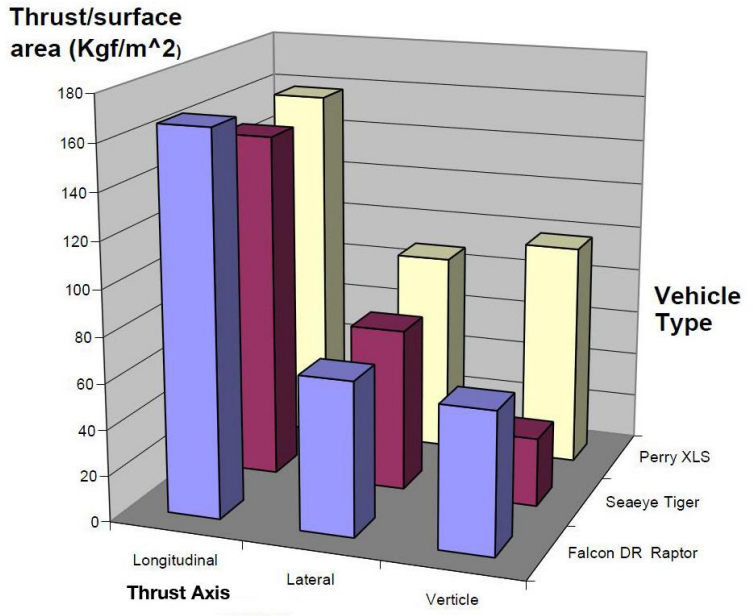
SeaView Systems' 1000m Raptor

In order to competently service a wide range of offshore environments and work tasks, SeaView has identified the need for a compact ROV with the benefits of the Falcon DR. These benefits include ease of mobilization, high data carrying capability and ability to be controlled in cross currents but with the added benefits of a small work class ROV which include higher payload handling capability, vehicle stability and the ability to perform detailed work in higher water currents.

Rather than design and build a new vehicle from scratch, SeaView chose to expand on the many excellent design features of the proven Seaeye Falcon DR. By leveraging our in-house underwater systems engineering resources and our extensive experience operating and maintaining this particular ROV design, SeaView essentially built the thrust and control system of two vehicles into one. The result of this engineering effort is the SeaView Systems' 'Raptor.'

As shown in the chart, by using a total of ten each of the highly efficient Seaeye SI-MCT01 brushless DC thrusters, the Raptor produces thrust to surface area ratios (a more accurate metric for ROV performance then horsepower) comparable to the most powerful ROVs on the market.



The Raptor is compatible with SeaView's launch and recovery system (LARS) and is able to be mobilized in our 20' control

container/workshop. The vehicle is stable and able to accommodate a range off tooling, manipulator and survey skids.

The Raptor is ideal for:

- Pipeline inspections
- Touchdown monitoring
- High resolution route surveys using an inertial navigation system (INS) and multibeam profiler
- Light intervention
- Cable survey/tracking
- Inspection work in higher water currents

SeaView Systems, Inc. designs, manufactures and operates remotely operated vehicles, electronics and other custom hardware/software tools, including oceanographic instruments, custom remotely operated vehicles and tooling systems, to meet oceanographic and underwater robotic applications.

For more details or supplemental media, please email SeaView Systems at info@seaviewsystems.com.