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Perseus is a study and demonstration orchestrated by the Office of the Secretary of Defense, Rapid Reaction Technology Office (RRTO). Four teams, all comprised of undergraduate student members, are tasked with building an unmanned, underwater vehicle (UUV) with modest funding. The overall objective is to build a UUV that is capable of carrying out a mission to disrupt a submarine communications cable. In addition to the objective given, there is a great emphasis on energy efficiency. To meet this challenge the Stevens team developed a thruster-propelled, modular ROV with a (theoretical) explosive payload to disrupt the submarine communications cable. This 11-month project of brainstorming, designing, constructing, and integrating the ROV culminated in a demonstration at the dive lagoon at Florida Keys Community College, where the Stevens team and their ROV excelled at completing the mission set forth by the RRTO.

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