**ROBOSUB Background**

The University of Colorado -- Boulder Robosub Team has been competing in the AUVSI Robosub Competition for four years.

For Robosub competition student teams from around the world build autonomous robotic submarines which compete in a rigorous underwater obstacle course, which simulates real world tasks robots may be expected to perform.

Transdec\_final\_course.png

**ROBOSUB Product Description**

In order to mitigate difficulties faced by previous RoboSub iterations, Ocean’s 7 was contracted to design:

* A backplane, to simplify wire management
* A controls system, to conduct fine motor control
* A power system, to provide power for the sub

**ROBOSUB Problems**

* Wire Management
* Power Stability/Delivery
* Limited Vehicle Control
* Excessive CPU Overhead

**OCEAN’s 7 Solutions**

* See other parts of poster or combine problems from ^ into solutions.

**OCEAN’s 7 Backplane**