

ME 434/435
Senior Design Project

Semester:	Spring 2007
Faculty:	Dr. Greg Selby
Title of Project:	Micro-Drag Generators
Number of students:	3 or 4

Description of Project:

SOLUS, Inc. has developed and patented a unique drag amplification technology, entitled Micro-Drag Generators, that can revolutionize resistance in the following sports: swimming, speed skating, cycling, running, and rowing. The SOLUS drag amplification technology can be modulated in real time and has the ability to increase the resistance by a factor of 10. The force generated by the SOLUS drag amplification technology is distributed uniformly over the entire object to replicate the naturally occurring resistance that is felt by the athlete. The unique capability of the SOLUS technology ensures that the athlete is not forced into unnatural motion to compensate for a non-uniform counterforce that is typical of existing resistance training equipment.

See: <http://solusinc.com/mdg.html>