a marine quad-copter

lands, fuels, takes off from the ocean surface

a partnership with the Applied Physics Laboratory

adding sensitive cameras (visible, IR, hyperspectral, radar)

with the Applied Physics Laboratory
underwater ROV.

with the Applied Physics Laboratory & Dr. Abadi of UWB
Underwater Wireless Power Transfer

Aaron Marburg, Steve
University of Washington Applied Physics Laboratory
3D Printed Prosthesis socket

Printed Skeleton Structure

Sandwiched with face sheets

Reinforced Composite Socket
VENTEC - wheel chair mount
a project for the off-grid world

solar powered germinator tray at SAgE
Sustainable Agriculture Education Collaborative
Biodigester + multi-energy grid @ Farmer Frog
wear tester (for Dr. Bridge!)

1.41 N-m (200 oz-in) at 10 rps (600 rpm)
Nema 23 Stepper Motor

0-100 kg (220 lb) Load Cell

0-200 N (0-45 lbs) at approx. 75 psi and 3”
Extension/Travel Pneumatic Actuator

304 SS Plate

10 mm Stroke Length

Approx. 20-24”
*Collet not uploaded yet

0.5”

20”

12”
Augmented reality + instrumented glove for rehabilitation therapy