

HYDRONALIX

HYDRONALIX

We Excel



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520.203.8351
www.hydronalix.com
www.emilyrobot.com

"The World Leader for Marine Robotic Rescue Devices"

Hydronalix has been performing SBIR research work including multiple Phase III contracts. Hydronalix has a BOA Phase III contract with NAVAIR Systems. Research and Development work performed under contracts:

N6833514G0039 Open BOA
N6833515C0138
N6833513C0281
DOCRA133R14SE2877
DOCRA133R11CN0188
N0001410MO458
N0001411MO119
HR001112C0073

AWARDS AND PARTNERS

Academic Partners

University of Arizona
Senior Design Class (16 students)
Texas A&M College Station
Center for Robotic Assisted Search and Rescue CRASAR
Robotics Without Borders
Graduate Level Programs (12 students)
Senior Design Class (37 students)
Florida Institute of Technology
Senior Design Class (5 students)
Mississippi State University
NOAA Hurricane Tracker EMILYs
U.S. Naval Academy
Dynamic and Static Hull Stability Analysis
Woods Hole Oceanographic Institute
Acoustic Modem Communications



EMILY Patents:
United States: #882555
Australia: #2012239947
Indonesia: #W-00201304834
South Korea: #10-1482486

Pending:
Europe: #12767701.1
Hong Kong: #14108254.8
Mexico: #MX/a/2013/011680

OPERATIONAL SUPPORT, SERVICES, AND TRAINING



HYDRONALIX

Founded in 2009, Hydronalix has become a recognized leader and international symbol in robotics innovation for beach and flood rescue with our successful patented Emergency Integrated Lifesaving Lanyard (EMILY) product line. We have 11,000 square feet of engineering, office, and manufacturing space in Sahuarita, AZ. Company sales are both domestic and overseas with export distribution throughout Asia, Europe, the Middle East and the Americas.



The Hydronalix mission is to provide enhanced value added capabilities to first responders, earth scientists, military, and safety to the maritime industry. Our focus is on development of small expendable maritime robotic technologies to support missions ranging from search and rescue, bathymetric mapping and underwater ISR, to meteorological station keeping and data gathering, in challenging open ocean, brown water, and littoral marine environments.

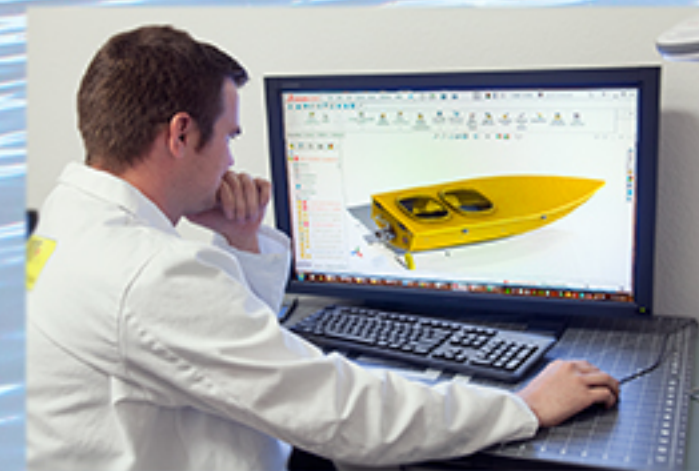
EMILY



Supporting missions by the Hellenic Coast Guard and Red Cross for Syrian refugees in their perilous ocean crossings.



RESEARCH, DESIGN, AND ENGINEERING



Hydranalix maintains a growing staff of skilled engineers and technicians performing advanced development services and products for the Navy, National Oceanic and Atmospheric Administration (NOAA), Defense Advanced Research Projects Agency (DARPA), and Department of Homeland Security (DHS). In addition to EMILY, the company produces a complete product line of advanced Autonomous Mobile Buoys (AMB). The company's executive leadership team has collective experience of over 200 years in Ocean and Marine Engineering, Robotic systems, advanced sensors, manufacturing, and materials science.



MANUFACTURING



HYDRONALIX

EMERGENCY INTEGRATED LIFESAVING LANYARD



International and domestic clients



Highly durable composite platforms



Basic and advanced training

HYDRONALIX

AUTONOMOUS MOBILE BUOY SYSTEMS



Advanced sensors, including stabilized cameras, imaging sonars, radar, and acoustic communications



Developers and Manufacturers of Manually Controlled Rescue Robots to Fully Autonomous Mobile Buoy Platforms with advanced sensor systems



Tactical Control Stations

International and domestic clients

