

NASA Extreme Environment Mission Operations (NEEMO)

Partnership Opportunity

NASA's Extreme Environment Mission Operations (NEEMO) project offers a unique high-fidelity undersea lab in an extreme isolated environment that encompasses the complexities and technical challenges and risks associated with remote operations.

As the world's only operational undersea research facility, Aquarius Reef Base provides saturation diving, engineering research/development, advanced communications and the ability for the aquanauts to control buoyancy to simulate varying gravity gradients.

Opportunities include: extreme environment remote operations testing, remotely operationed underwater vehicle testing, marine science, navigation/mapping and exploration, human/machine interface, tele-medicine, physiology, human performance, human exposure to extreme environments, engineering design/testing, tool manufacturing, communications latency, education outreach, media programs and more.

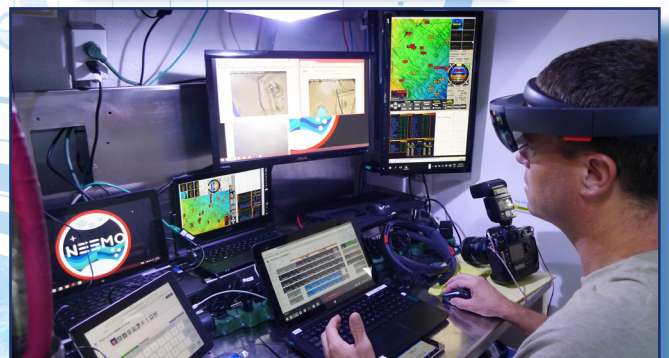
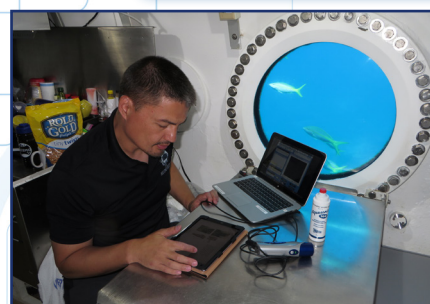
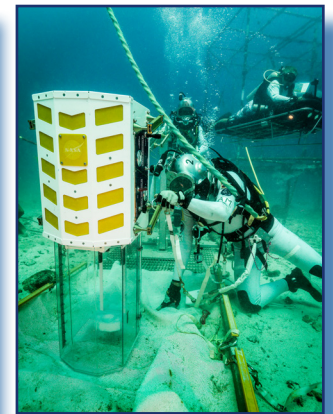
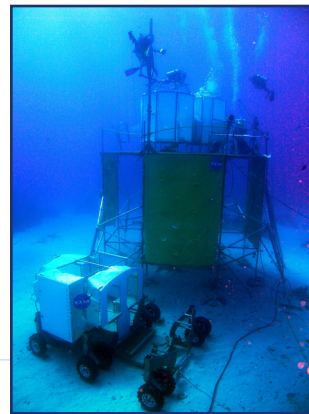
Building on more than 17 years of experience, NEEMO is supported by an expert team made up of astronauts, engineers and researchers from NASA and many other organizations.

Partners include NASA scientists from many disciplines, international space agencies, U.S. Navy, U.S. Air Force, dozens of commercial participants, numerous medical facilities and universities.

Aquanauts live in Aquarius for up to three weeks performing research and engineering test for a multitude of industries.

Bill Todd, NEEMO Project Lead
Phone: 832-758-2476
william.l.todd@nasa.gov

Marc Reagan, NEEMO Mission Director
Phone: 281-244-7489
marcum.l.reagan@nasa.gov



NEEMO in Context



A unique partnership opportunity utilizing Aquarius, the world's only operational undersea research facility; generating true science related to human space exploration



MEDICAL



MANUFACTURING



TRANSPORTATION



COMMUNICATIONS



ENERGY