

Robotics for Complex Environment

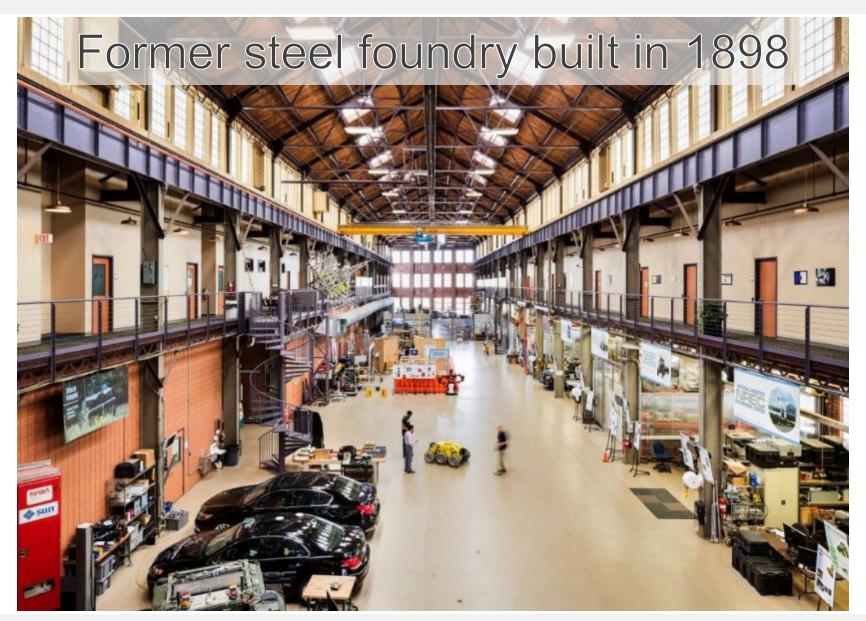
By Jeff Legault

NREC Facilities



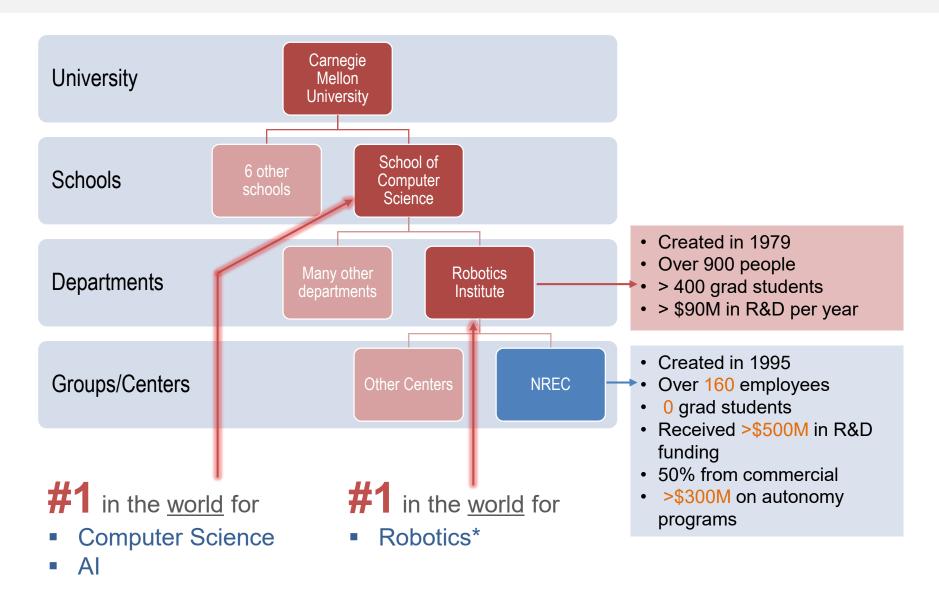


NREC Facilities



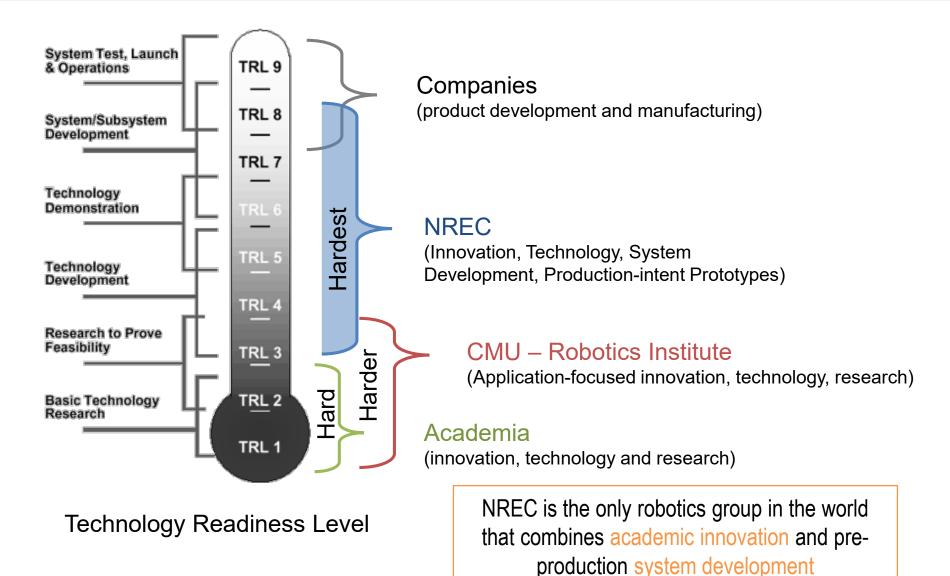


NREC and CMU





Innovation and Engineered Solutions





NREC Expertise



Motion Planning 8 Execution



Unmanned Vehicle Design



Positioning



Collaborative Robotics

COMPLETE SOLUTIONS



3D Range Sensing



Operator Interfaces



Electro-Mechanical Design



Manipulation



Image/sensor Processing



Machine Learning

We have experts in each area of robotics related to intelligent mobile robots in structured and unstructured environment





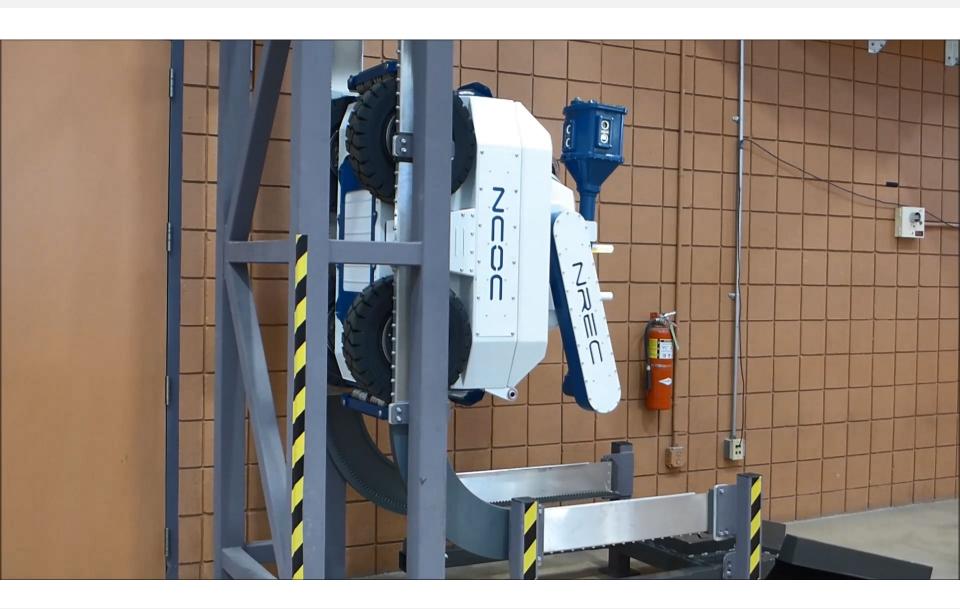
Sample Relevant Projects

Oil Platform Inspection





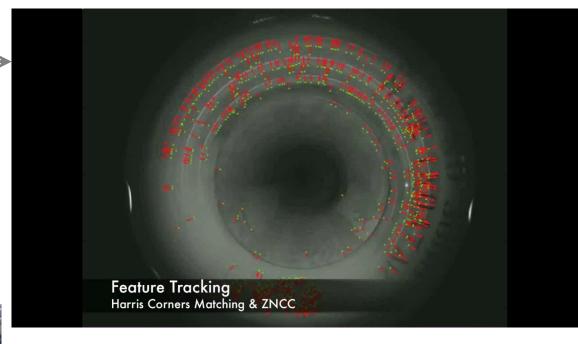
Oil Platform Inspection





Pipe Inspection

LNG Pipe Inspection



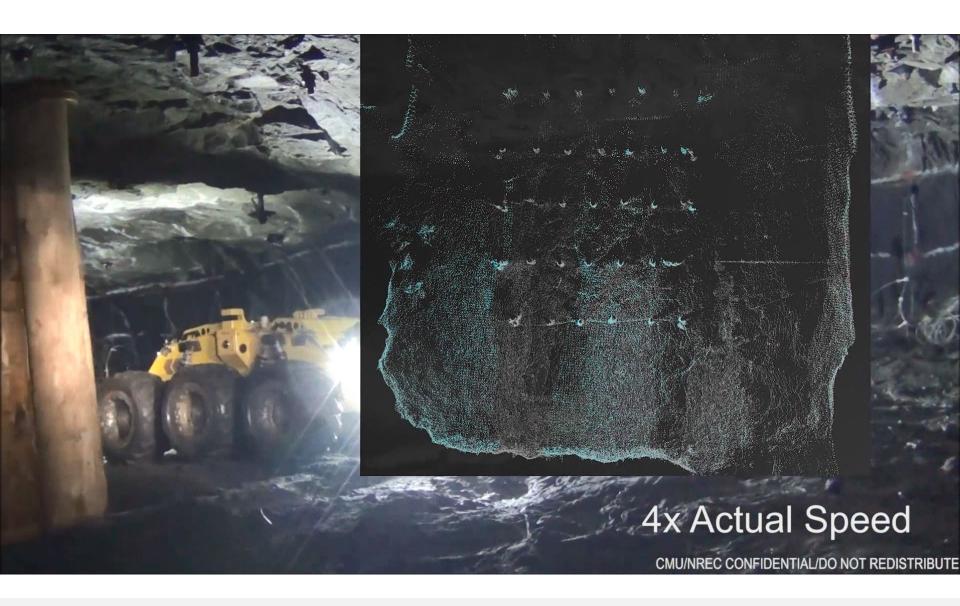




Slurry Pipe Inspection



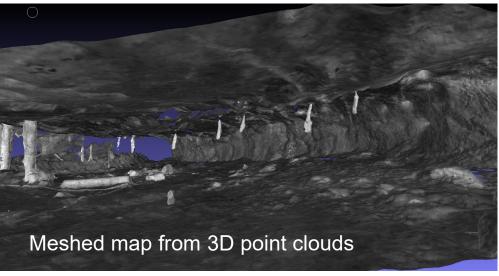
3D Mapping



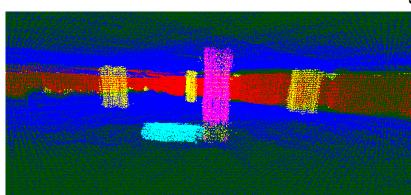


3D Mapping

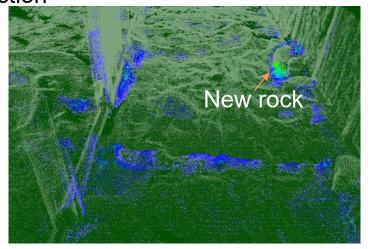




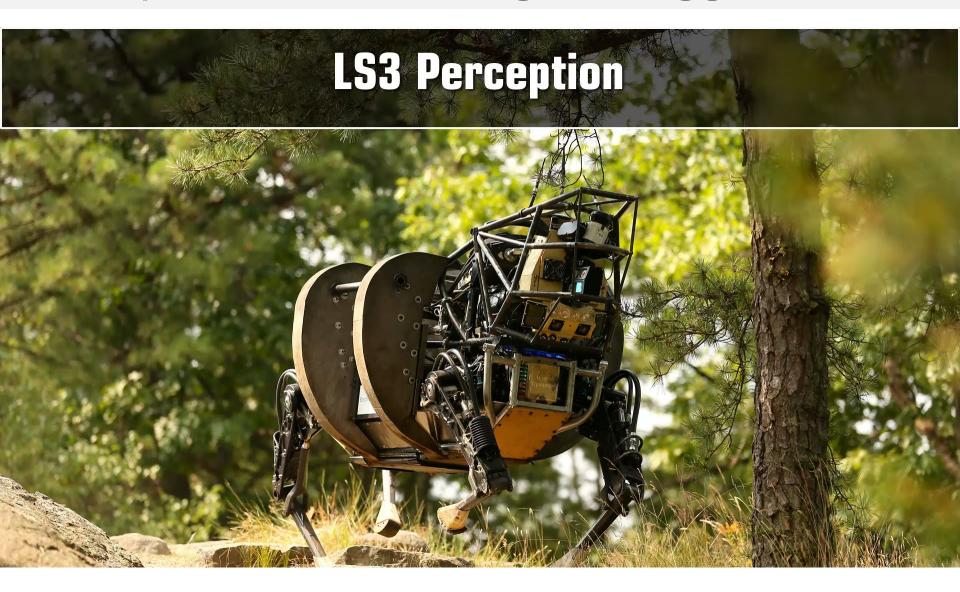
Change Detection



Fallen post



Perception and Planning for Legged Robot



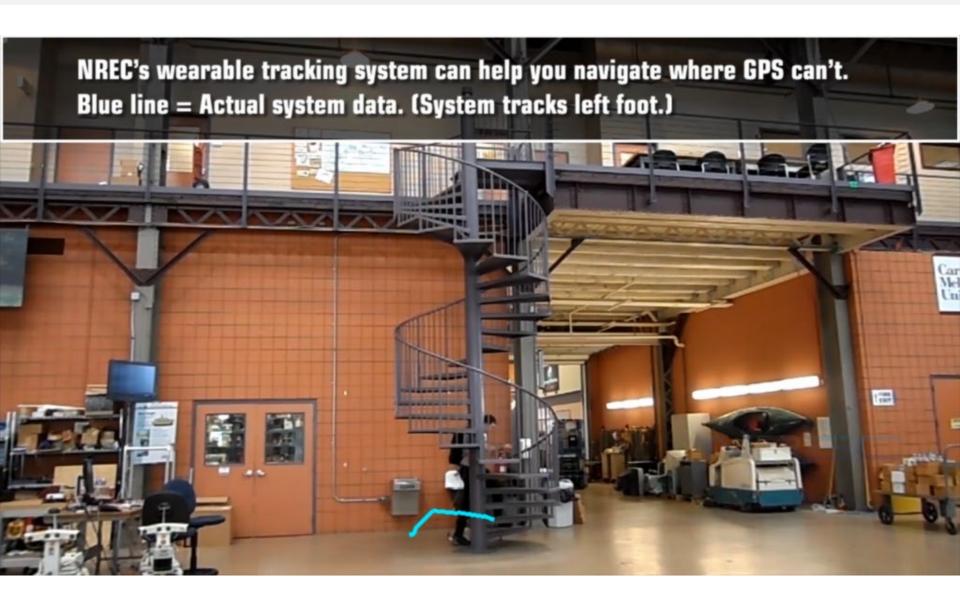


3D Teleoperation



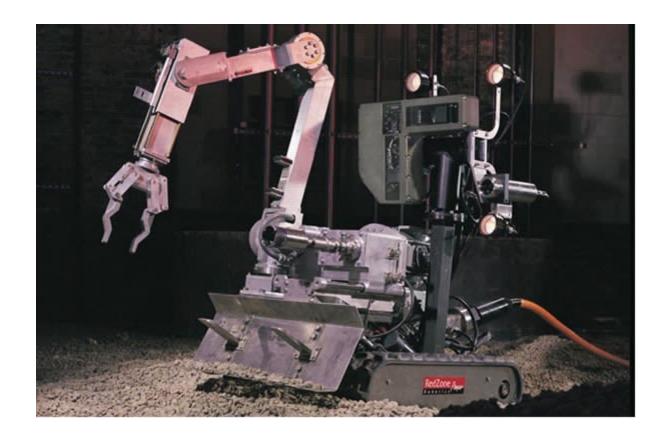


Personnel Pose



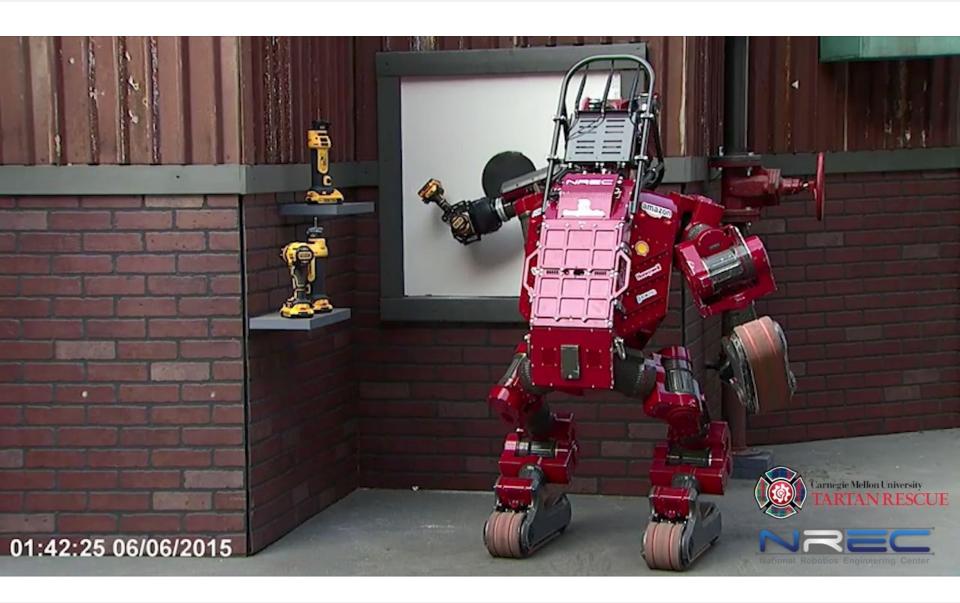


Chernobyl Inspection





Disaster Response





Laser Coating Removal System



