



LEAD

Offer professional development workshops for educators and industry professionals.



CONNECT

Engage workforce and community stakeholders generating added value in programs and the workplace through opportunities using autonomous technologies.

CORNERSTONES



INSPIRE

Promote and provide support to encourage engagement in STEM and autonomous technologies in secondary and post-secondary education, particularly in underserved areas.



SERVE

Provide the educational resources for curriculum interactive content, application and exchange of ideas for autonomous technologies across the country.

SHAPING THE FUTURE OF AUTONOMOUS TECHNOLOGIES

NCAT's mission is to foster public understanding of autonomous technologies across the domains of air, land and sea. The autonomous technologies industry requires highly skilled agile technicians who can design, monitor, utilize, repair and control the technology.

Explaining what autonomous technologies do and the career opportunities they generate are part of the center's effort to expand educational programs throughout these emerging technologies. NCAT provides professional development programs for educators, STEM engagement events and service-learning opportunities for students as well as educational and research resources.

"The work that NCAT and Northland are doing for Minnesota, the region, and the country is incredible." - Dennis Holzinger, Program Manager Northrop Grumman Corporation, ND

NCAT PREPARES TECHNICAL WORKFORCE TO USE AUTONOMOUS TECHNOLOGIES

As the first national ATE center in autonomous technologies, NCAT is crafting, adapting, and implementing educational resources to help two-year college faculty and other educators in many disciplines meet current workforce demands while increasing the quality and diversity of the highly skilled technical workforce.

NCAT leaders are drawing on their extensive experience developing replicable instructional models and are utilizing best practices to recruit underrepresented populations and support their entry to STEM careers.

To accomplish the center's goals NCAT leaders have engaged stakeholders from industry and government as well as colleagues from ATE centers and projects. Their shared priority is preparing the nation's technical workforce to use autonomous technologies that are changing how people live, work and learn.



NCAT is using service-learning activities to engage community partners on projects that integrate autonomous technologies to solve real-world problems. NCAT expects this approach will enhance curricula, increase hands-on learning opportunities, improve communities, and create or modify two-year colleges' degree and certificate programs.

