



**Providing outreach, professional development, curriculum, and advanced technology**

Autonomous technology saves lives, but this innovative technology requires operators and technicians that are properly trained in the use, maintenance, diagnosis, and repair of these technologies. The Minnesota State Transportation Center of Excellence (TCOE) has been awarded an NSF grant to help address this need for qualified technicians. This will be accomplished through three areas:

### **OUTREACH**

Working with 33 college campuses in Minnesota, along with numerous industry allies, we will provide outreach specific to ADAS technology to the high schools in Minnesota. These activities, involving local industry employees, will inspire students by showcasing career opportunities and the autonomous technologies used in transportation;

### **PROFESSIONAL DEVELOPMENT AND CURRICULUM**

This grant seeks to increase teacher knowledge and skills related to ADAS, Autonomous Technology, and advanced vehicle technology in the heavy truck/diesel/equipment sector, along with providing usable curriculum for their classrooms;

### **PROVIDE ADVANCED TECHNOLOGY**

Acquire high-tech, hands-on, real-world resources for student learning and outreach activities. Each High School or College will utilize these resources in their classrooms, labs, and for outreach for an estimated 1-2 weeks. The equipment will then rotate to the next college campus, through TCOE coordination.

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