

Innovation

to better serve your business



Innovation is part of our DNA, from our collaboration and sponsorship to develop the first seat belt in the Cornell-Liberty Survival Car more than 70 years ago, to our innovation team pioneering ways to help reduce risk and create new solutions for customers today. We're continually shaping new approaches and collaborating to support cutting-edge research to better meet your needs. Here are just a few of our recent research initiatives and ways our insight can work for your business.

Safety helmet study in collaboration with a major construction company. We're working to improve protection for workers from falls from heights. Chin strap innovations can expand the function of hard hats beyond falling object protection.



Drone use for risk control. We're exploring drone use for property surveys, to assess job sites for exposures, and monitor traffic patterns. This information can be used to understand risks from different perspectives and develop programs to help minimize them.



Shift work modeling to reduce medical errors. Physician and healthcare worker burnout threatens patient safety. We're studying ways to optimize scheduling to help keep patients and employees safe.



Exoskeletons to reduce fatigue. Our research collaborations are evaluating whether exoskeletons can improve the safety and well-being of workers.



Wearables to reduce injury and speed return to work. From analyzing the cultural factors that make wearables at work successful, to innovating new systems to capture motions, heat stress, and object weights, we're making tools available to customers to help improve their workplaces.

Artificial intelligence (AI) research. From analyzing video to identify manual material handling risks, to evaluating new data to project risk in a changing climate, AI is changing how we work.



To help us bring you the most cutting-edge research, we maintain partnerships with pioneering researchers from the world's best universities and organizations. Our research partners include:

University of Michigan

University of California San Francisco

University of California Berkeley

Ohio State University

University of Utah