Feedback from Our Partners

“Having a DHS Center of Excellence like CIRI is vital to our operations... Through our partnership with CIRI, we can get a world-class research team looking at an issue and then we can blend the contributions of our subject matter experts with their researchers to the benefit of both organizations.”

Dr. Joe DiRenzo, Director of Research Partnerships
U.S. Coast Guard Research and Development Center, 2018

“Through its External Advisory Board, CIRI works to build relationships, influence the policy and regulatory environment, and translate technical data into actionable recommendations for businesses across a wide range of fields. It’s this industry-orientation that sets CIRI apart from other academic research centers.”

Ed Hammersla, Chief Executive Officer
Utilidata, 2018
**University Partners**

Binghamton University, NY  
Carleton University, Canada  
Florida International University, FL*  
Georgia Institute of Technology, GA  
Howard University, DC*  
New York University, NY  
Old Dominion University, VA  
University of Calgary, Canada  
University of Illinois, IL  
University of Southern California, CA  
University of Tennessee, TN

*Minority Serving Institution (MSI)

**Enterprise Partners**

City of Atlanta  
City of New York Department of Transportation  
DSCG Solutions  
Heartland Science & Technology Group  
Idaho National Laboratory  
Karthik Consulting  
MITRE Corp.  
LMI  
MxD  
National Center for Supercomputing Applications  
Oak Ridge National Laboratory  
Port Everglades  
Sandia National Laboratories  
Scriyb  
Security Industry Association  
Sentara Healthcare  
Siemens Corporate Technology Center  
Synctesis, Inc.  
United States Coast Guard  
U.S. TRANSCOM

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**Impacts**

**Creating secure and resilient maritime port infrastructure**

Maritime commerce in the United States accounts for $4.6 trillion per year in economic activity. CIRI researchers are working with U.S. port owners and operators and the U.S. Coast Guard to develop tools to calculate the operational and financial impacts of potential disruptions and develop effective mitigation and response strategies.

**Improving business resilience and disaster response**

Natural disasters cost businesses and municipalities nearly $400 billion over the past two years. CIRI is employing economic modeling and data analytics to help business managers build more resilient businesses that can better prepare for and recover from natural disasters. This work is also helping government agencies and first responders more effectively deliver humanitarian assistance and disaster response services.

**Developing cyber-resilient national critical infrastructure**

To reduce losses from cybercrime – approximately $600 billion in 2017 – businesses and government organizations need simple and cost-effective tools to help institutionalize cyber risk management processes. CIRI developed a cloud-based software application, www.cybersecuredashboard.com, that simplifies conformance to the National Institute of Standards and Technology Cybersecurity Framework, facilitating wide-scale adoption of the standard and enhancing the cybersecurity and resilience of the homeland security enterprise.

**Reducing electromagnetic pulse (EMP) risk**

The impact zone of a high-altitude EMP burst 300 miles over Kansas spans a radius of 1,470 miles, enough to cover the entire continental United States. CIRI is developing a software tool that will help leaders make effective decisions regarding mitigating the threats posed by both nuclear and non-nuclear EMPs and geomagnetic disturbances.

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For a complete list of partners and more information, please visit ciri.illinois.edu

For more information on DHS Centers of Excellence, please visit www.dhs.gov/science-and-technology/centers-excellence