CCALS Commonwealth Center for Advanced Logistics Systems

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Shaping Virginia's Logistics Future

The Commonwealth Center for Advanced Logistics Systems (CCALS) is a Virginia-based, non-profit consortium of universities, industry partners, and government organizations advancing innovation in logistics, energy, transportation, and emerging technologies.

CCALS serves as a neutral convener, bringing together research, industry expertise, and public-sector leadership to develop practical solutions that strengthen Virginia's economy, improve resilience, and prepare the workforce for the industries of tomorrow.

CONVENE	**INNOVATE**	**DELIVER**	**EDUCATE**
Partners and Ideas	Practical Solutions	Outcomes and Outputs	Industry Relevant

AREAS OF IMPACT

- Energy
- Logistics
- Transportation
- Autonomy
- AI
- Supply Chain
- Cybersecurity
- Workforce

Our Purpose

INNOVATE **BUILD** **COMPETE**

Our Partners

VEDP Virginia Economic Development Partnership

Virginia Chamber

The Port of Virginia

University of Virginia

VCU

Virginia State University

Longwood University

Old Dominion University

Innovating Today

Building Tomorrow's Workforce

Strengthening Virginia's Competitiveness

Core Focus Areas:

Sustainable Fuels

- Feedstocks and supply chains
- Infrastructure and transportation
- Market and policy analysis

Multi-Modal

- Load flow and analysis
- Infrastructure
- Competitive advantage

CCAE Cardinal Center for Autonomy & Energy

- Hydrogen – Hydrogen-hybrid aviation
- Critical infrastructure applications
- Demonstration and testing

Logistics

- Supply chain resilience
- Cold chain and freight systems
- Data driven decision

Technology

- Artificial intelligence
- Internet of Things (IoT)
- Artificial Intelligence (AI) support

Workforce

- Industry relevant
- Pathways and partnerships
- Scholarly publishing

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