

# Centre for Smart Manufacturing and Advanced Recycling Technologies (SMART-Centre)

Conestoga College Institute of Technology and  
Advanced Learning

📍 Cambridge, ON



CONESTOGA

SMART Centre

## ABOUT SMART-Centre

The Smart Manufacturing and Advanced Recycling Technologies (SMART) Centre was established in 2020 to support applied research, consulting and training in advanced manufacturing and recycling technologies. The 13,000 square-foot SMART Centre is located at 96 Grand Ave. S. in Cambridge ON and houses our Next Generation e-Waste Material Recovery Pilot Plant for our advanced recycling technologies research, as well as flexible research space for advanced manufacturing-related projects. The SMART Centre specializes in solving industry problems in robotics, automation, mechanical design and prototyping, AI/machine learning control of automation, machine vision, hyperspectral sensor fusion, plant floor data acquisition (Industrial IoT) to support Industry 4.0 solutions, data analytics, visualization solutions, augmented and virtual reality, electronics design and prototyping, cybersecurity, and general software solutions for industry.

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🔗 [www.conestogac.on.ca/research/applied-research/centres/smart-centre](http://www.conestogac.on.ca/research/applied-research/centres/smart-centre)

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# RESEARCH AND INNOVATION EXPERTISE

## EXPERTISE

1. Artificial Intelligence / Machine Learning
2. Augmented and Virtual Reality
3. Automation
4. Cybersecurity
5. Data Analytics
6. Data Visualization
7. Electronics Design and Prototyping
8. Hyperspectral Sensor Fusion
9. Industrial IoT
10. Machine Vision
11. Mechanical / Electronics Product Testing
12. Mechanical Design and Prototyping
13. Robotics

