

Area X.O — Drive the Future

Sensor Cortek

The Story

Sensor Cortek is a spin-off from the VIVA Lab of the Faculty of Engineering at the University of Ottawa. It was formed in 2019 with the mission of enhancing the performance of perception sensors through the application of deep learning algorithms. It is spearheaded by Robert Laganier, a professor at the University of Ottawa and a veteran in the domains of Computer Vision and Machine Learning. As a Startup, Sensor Cortek was looking for ways to collect data and test its findings in an environment that closely resembled the real world. Through introductions to the team at Invest Ottawa, the Sensor Cortek team learned of the existence of Area X.O. It became an unbelievable resource for this new startup.

The Obstacle

In order to provide a robust AI solution to solve problems in the Automotive domain, you have to be backed by data that speaks to the problem. Through the collaboration with Area X.O Sensor Cortek are not only able to use the resources available, such as a fully instrumented autonomous vehicle, to collect data, but we are also connected with regulators, government bodies and key industry players to further shape and accelerate the commercialization of our solutions.



The Solution

Best practices for winter data collection are one of the most significant outcomes we obtained through a collaboration with Area X.O. The end result of this work will be a unique dataset that will allow for the development of AI solutions enabling Autonomous vehicles and ADAS systems to operate during challenging visibility conditions.

The Update and the Future

As a company that develops licensable IP, Sensor Cortek is hoping that their technology will be part of every perception sensor in the automotive industry, helping automakers deliver on their promise of safe and efficient autonomous vehicle operations.

Sensor Cortek is building strong relationships with key industry players, including silicon manufacturers, sensor manufacturers and automakers which is instrumental in increasing the adoption of our technologies. Sensor Cortek continues to develop their solutions to expand beyond the automotive domain into other sectors such as agriculture and health.

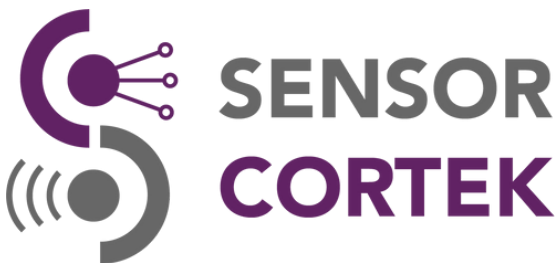


Testimonial

“Area X.O being an amazing facility for SMEs is only half of the story. This R&D facility is paired with a high-caliber team that works diligently to address all of our needs in the shortest time and in the most efficient manner possible.”

— Fahed Hassanat
Co-Founder, COO, Head of Engineering, Sensor Cortek

Get Connected!



**Fahed Hassanat, Co-Founder,
COO, Head of Engineering**
Sensor Cortek

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