Invision AI   https://invision.ai

Company :
Invision AI enables edge devices, such as remote cameras and other sensors in the field, to interpret the world around them without relying on costly hardware or cloud connections. We provide real-world three-dimensional situational awareness - including 3-D detection, geo-localized tracking across sensors and sensor fusion. Invision AI is designed for applications where speed, cost and privacy are paramount.

Main business areas:

· People counting in public spaces: We have built the only solution on market to count people
over a large space cohesively across multiple sensors. Invision AI is currently executing commercial testing with York (Canada) and Montreal (Canada) municipalities.

· Intersection Monitoring: We have the only solution on market to deploy multiple cameras
across intersections to monitor speed, reversing, wrong direction or stopped vehicles. Invision AI is currently deploying its technology in Greece.

· Vehicle Occupancy Detection: We have built the world-leading solution to count
passengers in vehicles from road-side, reporting 99.7% accuracy compared to competing solutions at 78%.
Invision AI has many partners that include Raytheon, Siemens, Ariel Wimasor and customers
such as Transurban, MTO, VDOT.

Tech areas for collaboration with Korean companies:
Our Edge AI technology can be applied across several different industries. The applications of our technology would involve the following areas:

· AI-Enabled Security Cameras: people counting in public spaces, intersection monitoring

· Vehicle Occupancy Detection

Invision AI is seeking for partners with local system integrators for deployments at scale using their existing customer channel. Invision AI provides these partners with its hardware reference design and components, as well as the core software module which powers the solution: the partner is responsible for the procurement of the hardware components, their safe installation on site in high-risk environments, their management, maintenance, warranties, and local certifications. This approach allows us to bypass the complexities of installing and maintaining critical infrastructure.

The Invision AI platform is currently being deployed commercially. However, the solution proposed may require enhancement for the Korean market. While the platform itself already contains the necessary generic AI modules for such detections and classifications, these modules may need to be tuned and trained specifically for the use-case in Korea.

Competitive advantages:
Invision AI has developed a camera-based, privacy preserving solution for the simultaneous 3-D detection, geo-localization and tracking of people across multiple cameras. Key innovations in our technology are the following:

· Enhanced privacy (no raw images need to be transmitted to the cloud)

· Reduced Bandwidth cost (only metadata such as counting statistics need to be transmitted)

· Reduced deployment cost (multiple HD streams can run on a low-powered processors)

· Three-dimensional situational awareness (consolidated geo-referenced view across multiple cameras which allows for higher accuracy in more complex scenarios)
Major clients/partners: Large public companies: Thales, Raytheon, Ciena, Transurban · Crown corps: CRC (Canada Research Chairs), Metrolinx · Governments: Virginia department of transportation (USA), Ontario Transport, Transport Canada (Canada), Transport Israel (Israel) · Municipalities: Toronto (Canada), Montreal (Canada)
Technology development and international partnerships: Invision AI has successfully run projects with Steelcase (US), LG (South Korea) centered around our security camera analytics product, and we are currently closing a project with SBB (Swiss Rail). As for Vehicle Occupancy Detection product, Invision AI has run two projects with Transurban (USA) and we have co-bid on a large infrastructure project with Raytheon in Virginia (USA). Furthermore, we are engaged in 3 large projects in Israel with Siemens, Raytheon and Ariel Wimasor.
Meeting objectives: Our objective is to close partnerships with Information & Communication Technologies (ICT) Korean companies that would engage in a R&D collaboration, especially in adapting/validating our technology or commercializing our technology. The applications of our technology would involve the following areas: people counting in public spaces, intersection monitoring, vehicle occupancy detection (smart city sector). Furthermore, we are also seeking for collaboration with public/private road operators, public departments of transportation, municipalities, railway operators, airports, malls and large retail stores to validate our technology.
www.linkedin.com/company/invisionai