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Press Kit Link

Illuminex AI Showcases the Power of Operational AI at Toronto Pearson International Airport

Toronto, Ontario, October 17, 2023 — Illuminex AI, a trailblazer in Operational AI solutions, has reached an extraordinary milestone in the aviation industry with the first-ever demonstration of its autonomous Perimeter Fence Inspection Solution at Toronto Pearson International Airport. This event marks a significant technical leap forward in airport security and operational efficiency, underlining Illuminex AI's leadership in AI-driven intelligent and operational solutions that seamlessly augment human capabilities.

The proof-of-concept demonstration underscored Illuminex AI's visionary approach to airfield inspections, poised to redefine perimeter assessments for airports globally. By seamlessly integrating machine learning, automation, and vision sensors, the solution establishes an unmatched standard for precision, security, and safety within the airside sector, enhancing the capabilities of human operators. This first demonstration is deployed on the all-electric prototype Honda Autonomous Work Vehicle, which patrols the airport's perimeter, enabling real-time inspections and response to discrepancies with exceptional precision. **Watch Video**.

Illuminex AI's strategic collaboration with industry leaders, including the Greater Toronto Airports Authority, Honda, CISCO, Genwave Technologies, and Eagle Aerospace, played a pivotal role in the success of the demonstration. This collaborative synergy showcases the company's expertise in forging partnerships to advance technological frontiers and elevate human capabilities through strategic use of Operational AI.

Craig Metcalfe, Co-founder and COO of Illuminex AI, expressed his enthusiasm for this achievement, stating, "this represents not only a significant milestone for Illuminex AI but also a milestone for global airport security. Our Operational AI solution not only enhances security measures, it elevates the capabilities of the airport's human security teams. This achievement sets the stage for Illuminex AI's continued growth and contribution to the airport market". The company's pioneering approach to Operational AI, coupled with its collaborative spirit, and steadfast commitment to technological advancement, ensures seamless human-AI collaboration. Illuminex's solutions hold the potential to reshape operational efficiency and safety across all industries, starting with the airfield.

About Illuminex AI:

Illuminex AI's innovative approach to machine learning leverages physics-based data in conjunction with empirical data to expedite the training of AI algorithms. This distinctive methodology significantly accelerates the development and deployment of diverse inspection applications, empowering organizations to embrace the future of intelligent operations with seamless human-AI collaboration.

For media inquiries and additional information, please contact:

Craig Metcalfe
778 679 0179
cmetcalfe@illuminex.ai

info@illuminex.ca
www.illuminex.ca