



IRIS R&D Group Inc.

5500 N Service Rd. Burlington Ontario, CA L7L 6W6
info@irisradgroup.com

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Author: Emil Sylvester Ramos, CEO

Executive Summary

Company Overview

IRIS R&D Group Inc. (The Company) is a privacy-centric smart cities hardware and data platform company. We offer an *end-to-end* data collection and data reporting solution to municipalities resulting in work automation, cost efficiencies and higher levels of service – helping municipalities make data driven, evidence-based decisions and interventions.

The Company is continuously developing and commercializing **irisGO™, an award winning, AI enabled, plug and play IoT device** that significantly facilitates the detection, measurement and reporting of assets and objects of interest for municipalities.

The irisGO™ solution is placed within a municipality's existing vehicle fleet or static asset, where it uses AI & Machine Vision to automatically detect objects of interest and its attributes including type, material, class, size, quantity and other measurements that feed into reporting and analytics dashboards. This automated solution produces significantly better results at a substantially lower cost than current standard processes used by cities and municipalities today – which rely on highly manual audits and curbside inspections.

The Company is positioning itself as the go-to Smart Cities data collection and data reporting solution for municipalities in Ontario starting with our existing clients and once successful, globally.

Market

The Smart Cities market is rapidly maturing in the advent of the covid-19 pandemic and is projected to reach nearly USD 651.7 billion by 2028 (globalnewswire.com). Growth in the smart cities sector is powered primarily by increasing government policies for economic growth, aging infrastructure, climate change, urbanization planning and an increasing need for resource management and risk mitigation. This ongoing digital transformation is fueled by the “oil” of the 21st century, Data.

Municipalities around the world spend billions a year collecting data to inform policies, assess programs and prioritize investments. Cities either conduct highly manual audits involving in-house resources or hire multiple vendors to collect and report data. These processes are slow, inefficient and unsustainable. Data collection often involves mobile or/and static use cases - effectively separating the Smart Cities market into two separate verticals, mobile IoT and static IoT. Examples

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of the mobile IoT sector players include Geotab (Global telematics company who Invested in IRIS last year), Fugro (Road surveys) and static IoT companies such as Miovision (intelligent intersections), Nokia, Bosch and others. In Ontario, millions are being spent on daily manual inspection needed for Minimum Maintenance Standards patrolling ([Reg. 239/02: MINIMUM MAINTENANCE STANDARDS FOR MUNICIPAL HIGHWAYS](#)).

IRIS R&D Group Inc. is changing the game with the development of our flagship product irisGO™, an AI-enabled Plug & Play IoT device. irisGO™ can be installed on static and mobile applications within municipalities and other industries such as mining, utility, aerospace and other sectors – collecting end-to-end measurement data using AI and Deep Learning including the full automation of Minimum Maintenance Standards patrolling for our Municipal clients today.

Our Team

Our team is uniquely qualified to solve the InfraChallenge 2021 and support the G20 agenda on sustainable, resilient and inclusive infrastructure due to our hands on experience and proven technical skills. Our leadership, functional and technical experience ensure we have the means to excel in this sector.

Emil Sylvester Ramos, AMBA, – CEO; is a serial entrepreneur and a newcomer to Canada with ambitious goals to transform how municipalities collect and use data and is on a mission of creating safer and smarter Canadian communities. Emil has extensive related experience having previously founded a specialized slope protection company and a geotechnical testing and inspection company.

David J. Keaney, CPA, CA, BCOMM – COO; has over 25 years of senior financial experience within the financial services industry. He has held Chief Financial Officer and Chief Compliance Officer positions for one of Canada's largest banking insurance groups, and other international Fortune 100 companies.

Closing Statement

We are excited and humbled to participate in the InfraChallenge 2021 and showcase our Canadian-made technology-based solutions for better and more resilient infrastructure to G20 member and non-member countries.

As more and more communities move into cities there will be economic, environmental and societal challenges that we will all be facing in the near future. We believe our technology can help collect meaningful information needed by our community leaders to meet these challenges head on - using objective, actionable data to help create and inform policies that will shape the future of Canadians, Australians and other countries, especially the marginalized and third world countries.

Thank you for this opportunity.