



Proud Winner of G20
Global Infrastructure
Challenge 2021



iris est. 2018

www.irisradgroup.com

Building Safer Roads & Smart Infrastructure

Automated pavement and right of way asset data collection using
AI, IoT and Connected Vehicles

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Chief Executive Officer

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COMPANY BACKGROUND

IRIS R&D Group Inc. (IRIS) is a privacy-centric smart cities SaaS solution company disrupting the road survey and infrastructure assessment industry.

IRIS is device agnostic; utilizes computer vision and machine learning to automate pavement and right of way asset management data collection and condition monitoring resulting in:

- ✓ **legislative compliance**
- ✓ **cost efficiencies**
- ✓ **higher levels of service**
- ✓ **extending useful life of infrastructure**
- ✓ **Improved road safety**

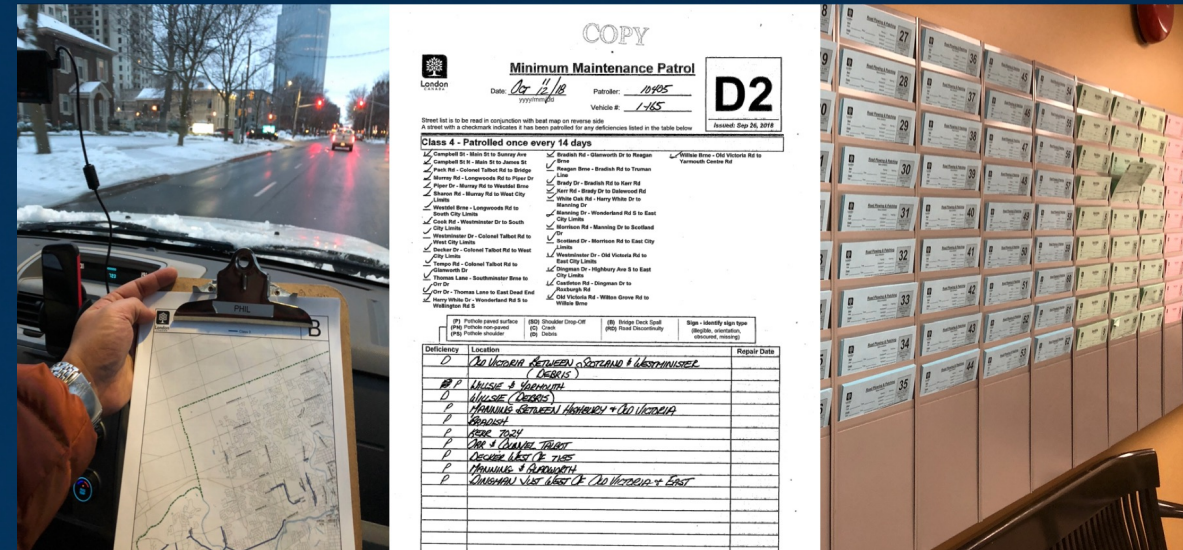


INFRASTRUCTURE DATA IS COLLECTED MANUALLY TODAY



BILLIONS OF TAXPAYER DOLLARS SPENT ON OUTDATED INFRASTRUCTURE DATA COLLECTION METHODS

- X SLOW & INFREQUENT
- X EXPENSIVE
- X PRONE TO HUMAN ERROR



THE INDUSTRY SPENDS BILLIONS A YEAR IN MANUAL DATA COLLECTION

iris[®]



Commercial Offerings



Right-of-Way

Inventory & Assessment

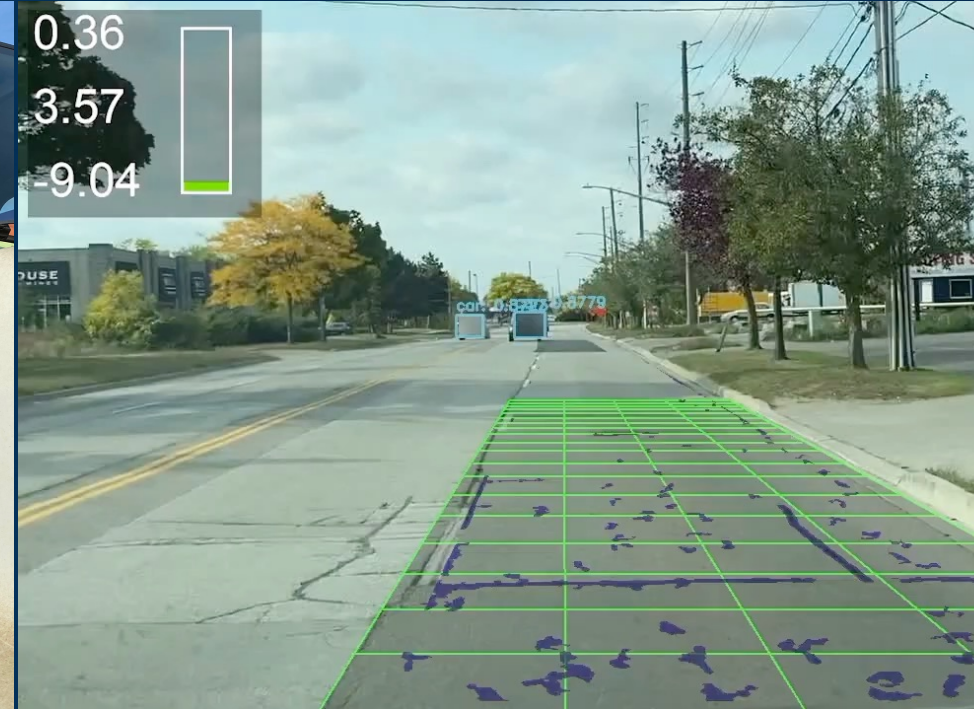
(barriers, signs, pavement markings, etc.)

Concessions & Road Patrol

(defects; potholes, cracks, shoulder drop offs, encroachment, etc. for concession & road management)

Pavement Assessment

(Civil Engineer data - PCI, IRI, PQI, etc.)



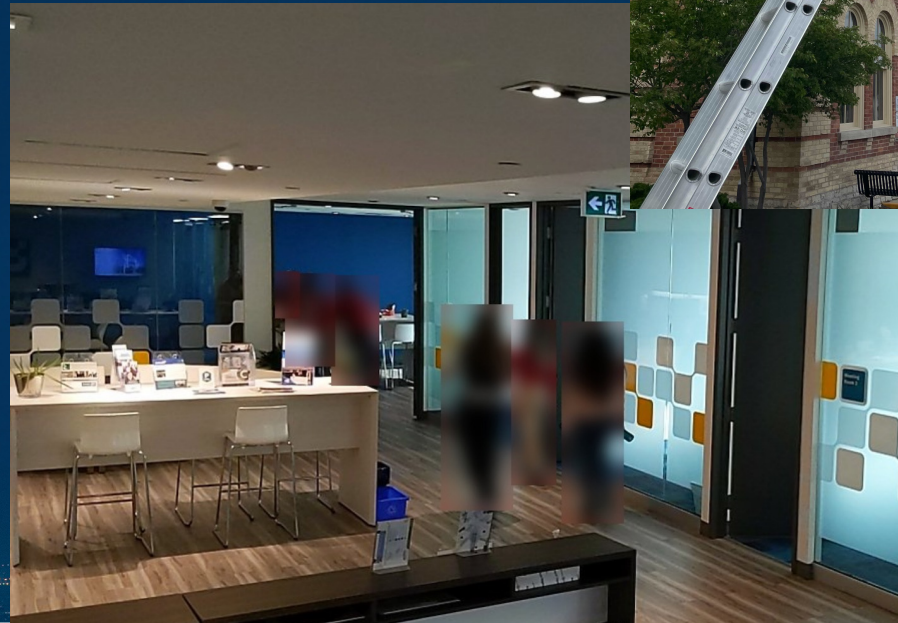
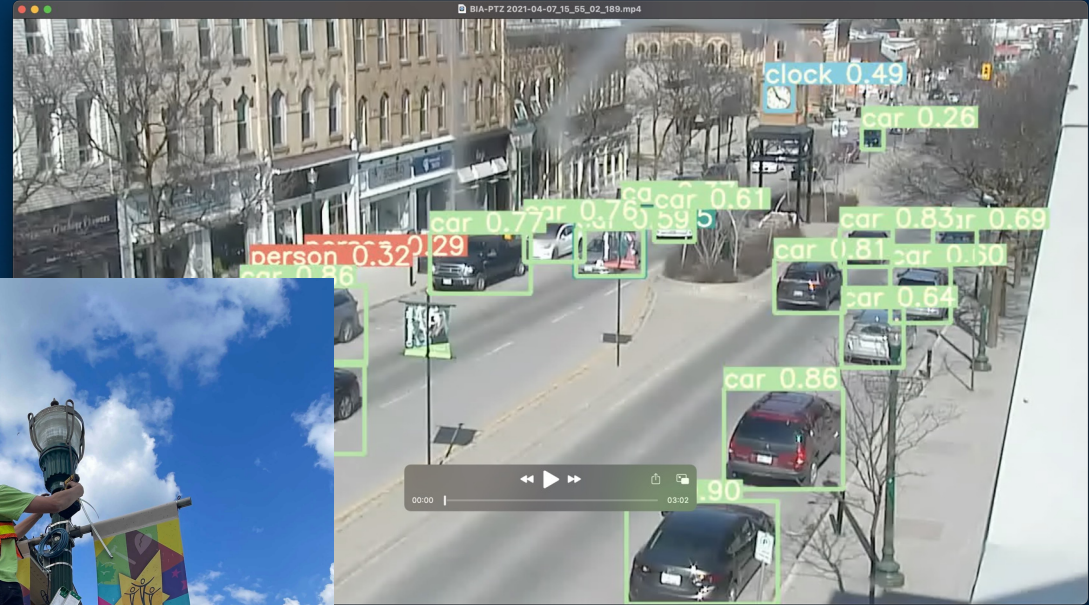
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CONTINUOUS DATA COLLECTION – multiple use-cases solved at once

...concession defects, tunnel defects, signs, pavement condition index, road roughness etc.

Collect Data Anywhere

- ✓ Static & mobile placements
- ✓ Weatherproof devices / Solar
- ✓ Continuous Condition monitoring



Why IRIS...

1. **Proven model to scale** – existing data sales to customers in 6 countries and 5 continents
2. **Competitive position** vs other tech providers in our space...
 - Redaction of faces and license plates on the edge (never is private data collected)
 - Very broad / wide use-case offerings to customers – all from one data collection source (avg. of 3 dept. serviced)
 - 50% more economical compared to competitors
3. **Robust ML build capability** for new use-case dev. (avg. 2 week turn around for new ML model build)
4. **Revenue opportunities** – exploiting the current 86% IRIS solution margin
5. **Leverage IRIS' partner model** for reciprocal commercialization

Meet Our Team



Emil Sylvestor Ramos

Co-Founder & CEO
10+ years of
experience rapidly
building companies in
niche markets



David Keaney
Co-Founder & CAO



Naji Alimam
CCO



Danny Aniag
CISO



Haseeb Malik
VP Data Operations



Julio Villalta
COO



Kevin Xia
VP Technology & AI

Technology expert in
ML & AI



Samuel Dias
Engineering Technology



Tara Clayton
Director of Strategic
Operations





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Chief Executive Officer



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Partnership Opportunities for IRF ecosystem:

- ✓ Concession holders & road operators enjoy preferred pricing for IRF partners
- ✓ Resell Opportunities to displace dedicated inspection efforts (Smart City)
 - Reduce GHG emissions
 - Lower costs /effort in data collection
 - Cross-departmental ROI
- ✓ Joint development of AI, 5G and Machine Edge Computing (MEC) use cases for transportation, intelligent mobility, asset & facilities management

Revenue Opportunities:

- ✓ High-margin business; allows for lucrative revenue share models.

THANK YOU