URBAN SOLUTIONS AND SUSTAINABILITY R&D CONGRESS 2023

BUILDING SUSTAINABLE, RESILIENT, AND LIVEABLE CITIES OF TOMORROW

4TH - 5TH OCTOBER 2023



FROM RESEARCH TO REAL-LIFE IMPACT -ADVANCED VIDEO ANALYTICS FOR CONSTRUCTION SAFETY AND PROPUETIVITY

Chief Executive Officer Ailytics





From Research to Real-life Impact

Advanced Video Analytics Solutions for Construction Safety and Productivity

How can we leverage on existing CCTVs to enhance site monitoring?











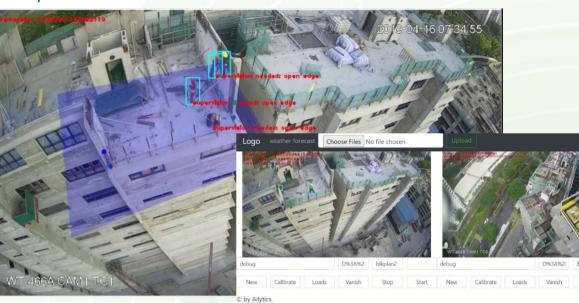
Many challenges to overcome





Decent Results, considering to spin off as a startup

4 Successful testbeds sites with the intention to eventually mandate this as a requirement



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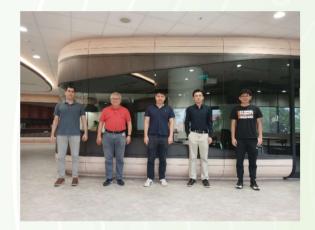


Transition from research to commercialization

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Joined the NUS Accelerator 3 Months





Business Model Pricing Market Sizing





First Customer





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THAT FEELING WHEN YOU GET YOUR FIRST GUSTOMER

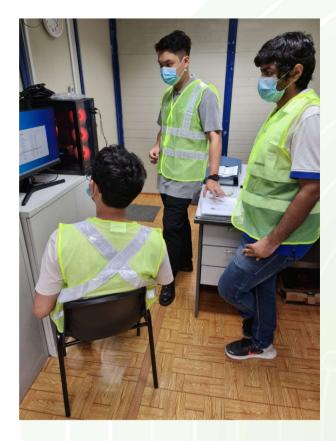
Things are about to get exciting.

Market, Mishaps, Malfunction

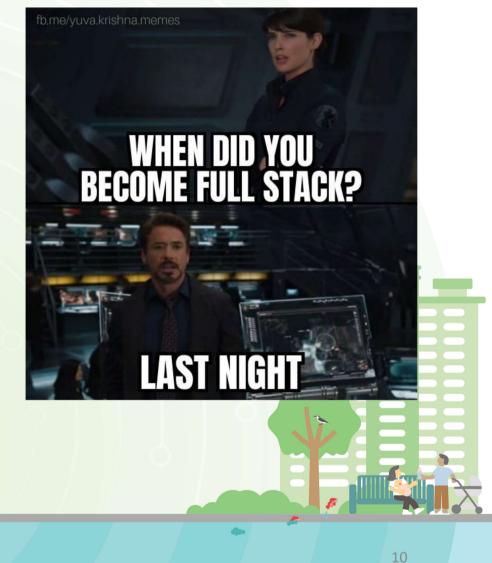








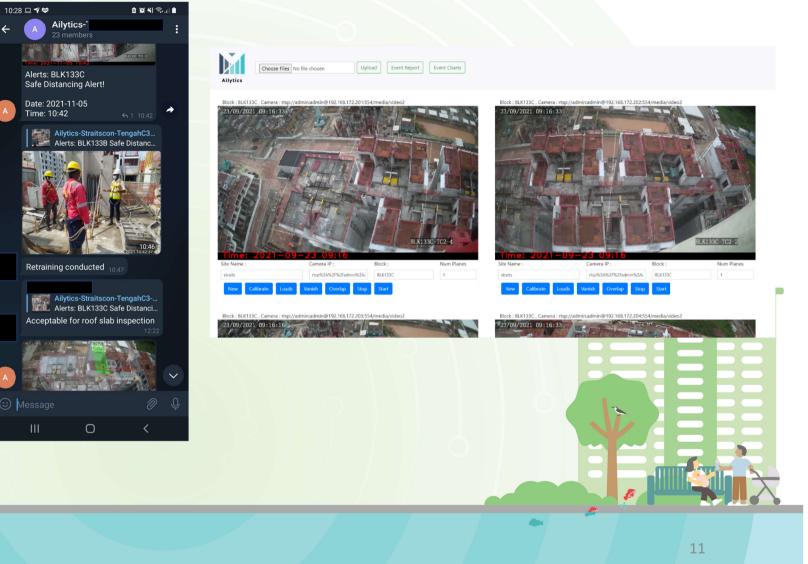




Customer Obsessed , Innovation Driven, Product Focus

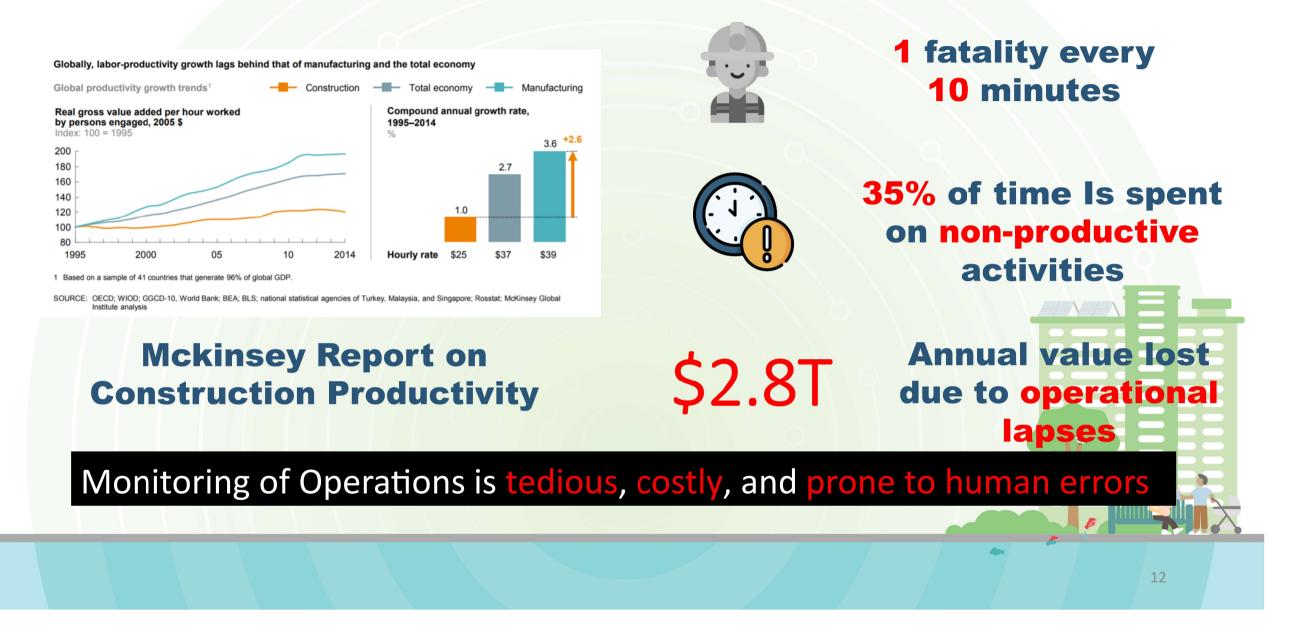






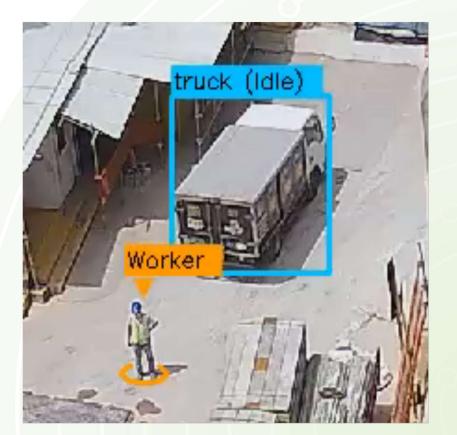
Construction Industry is ripe for disruption

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What is happening on the ground when no one is looking?

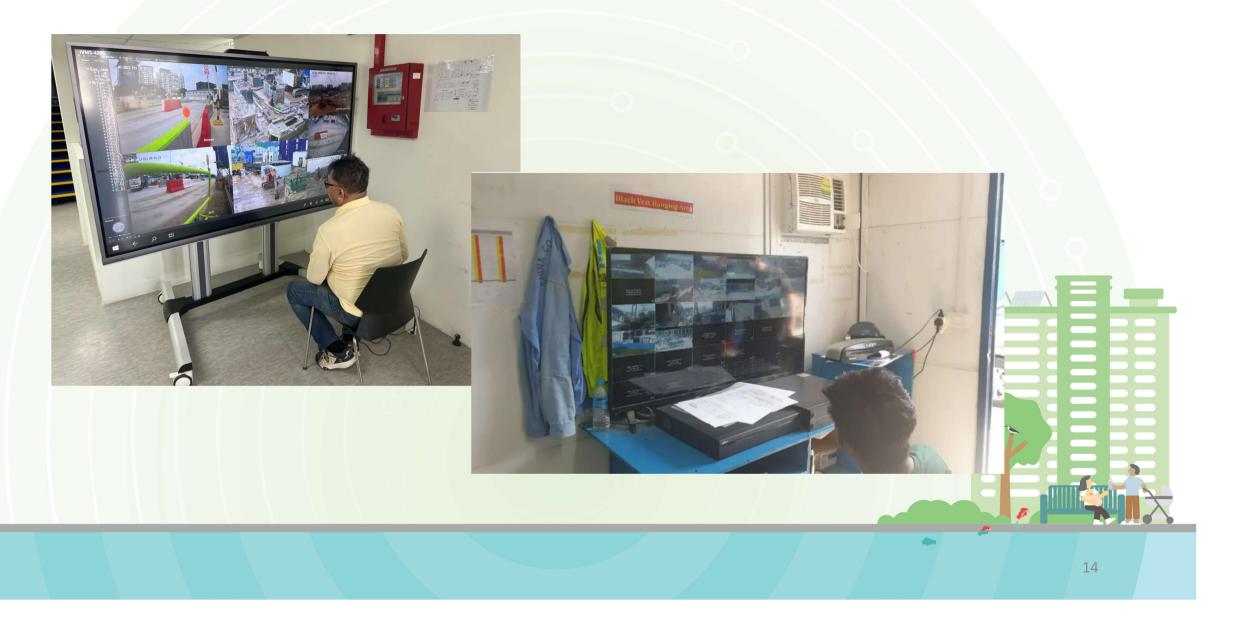






Manual Monitoring At Sites Are Still A Common Theme





More than 20+ Pre-Built AI modules

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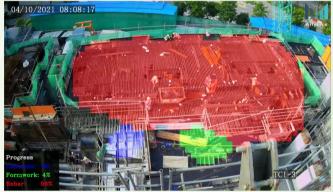
Safety



Productivi



Progress

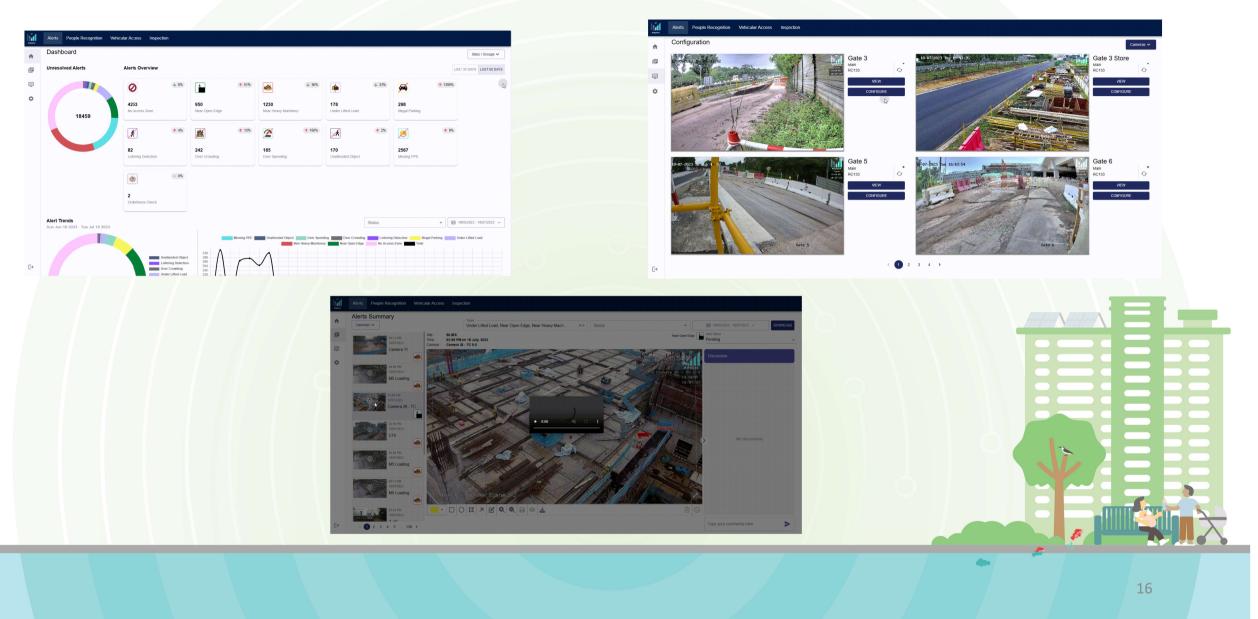




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Analyze and Monitor Operations



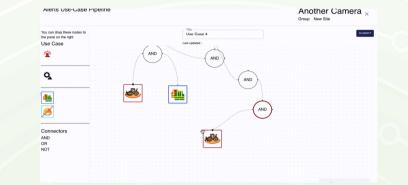


Next Generation Video Analytics



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Custom Scenario Pipelines



Real-time, Multi Object

Tracking through

2D to 3D projection from any single camera



Long Range, Harsh, and Dynamic Environment with Low

Specced Cameras



Trajectory and Localization mapping

User Benefits And Usage Of System

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Reinforcement





Benefits

7x increased hazard

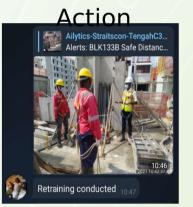
detection **20%** more efficient

Alert



Alerts: BLK133A Worker Under Load!

Date: 2021-11-23 Time: 16:23



24/7 automated site monitoring and alerts **Outcomes**

Subcontractor Performance, Claims, Disputes

> **Reduction of manual** monitoring

Worker onboarding and retraining

Early Identification of risks

Positive operational culture change from the ground up

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ONE DOES NOT SIMPLY

LAUNCH A SUCCESSFUL STARTUP

Statistics show that only 2% of startups survive after 5 years.



Survived the valley of death, time to scale



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Integration

Integration with

industry-leading

customers

Product

Decoraphicalent Localization, Edge Al solution, Productivity **Solutions**



systems to bring Expansion more value to our To industrial sectors and Asia

Thank You

