

CaseStudy

Evercam's Reality Capture Maximises Safety and Efficiency in SMART Lab Development in Singapore



Overview

This case study highlights the successful implementation of construction cameras as a reality capture solution for a state-of-the-art Manufacturing Automation & Robotic Transformation (SMART) laboratory, packaging development lab, and office project in Singapore. The client, a Fortune 500 company specialising in agricultural science and technology, had a goal of developing an advanced facility that would transform manufacturing automation and robotic technology while improving productivity, safety measures, and stakeholder communications.

Problem

The Fortune 500 agricultural science and technology company faced challenges due to limited space during the project and recognised the need for effective solutions to optimise space utilisation, ensure seamless collaboration among team members, and enhance overall project efficiency.

Solution

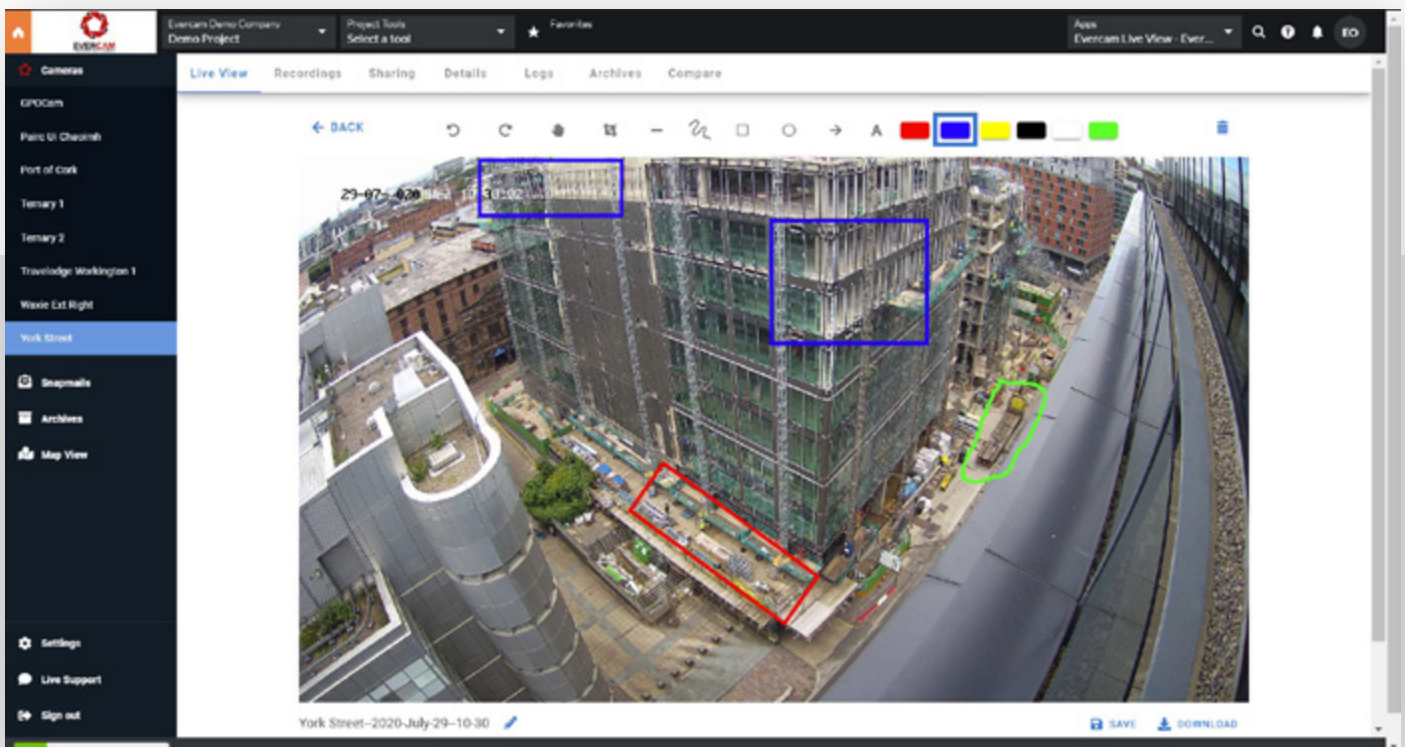
After careful evaluation of various options, the project team chose Evercam as the preferred solution for reality capture. Evercam's advanced features and capabilities aligned with the company's requirements. The ability to capture and monitor potential incidents, near misses, and worker health & safety adherence, along with seamless integration with project management applications, made Evercam the ideal choice for improving safety, communication, and project monitoring.



Evercam Reality Capture Implementation

The project team implemented construction cameras strategically across the site to improve visibility and monitoring capabilities. The cameras captured real-time footage, which was accessible remotely by the team members. The recorded footage served as valuable evidence during safety discussions with managers and

contractors, facilitating prompt resolution of potential incidents and near misses. Additionally, the integration of Evercam with Procore, a project management application, allowed seamless communication and collaboration among team members and stakeholders. The integration provided easy access to project documents and enhanced monitoring capabilities, resulting in increased efficiency and productivity throughout the project.



Results and Key Performance Indicators

- The implementation of Evercam yielded significant positive outcomes for the project. Enhanced visibility and monitoring capabilities led to a **reduction in safety incidents and an increase in safety observations** — serving as key metrics demonstrating the project's success.
- The remote access to camera feeds allowed for real-time monitoring without the need for a physical presence on-site.
- Seamless **integration with Procore improved communication and collaboration** among team members and stakeholders, boosting efficiency and productivity.
- Financial Impact and Cost Optimisation: Evercam also contributed to notable cost savings throughout the project. The ability to **monitor the project in real-time enabled the immediate discussion of any issues with contractors, preventing expensive delays or rework**. The technology also allowed work to be halted instantly if something went wrong, avoiding further costs. These capabilities were particularly beneficial given that project engineers were **managing multiple projects simultaneously**.



Future Steps

Given the success of implementing reality capture in this project, the project team plans to incorporate this technology into future projects. They recognise the value of reality capture in enhancing safety, improving communication, and monitoring project progress. By leveraging this technology, they aim to achieve similar positive outcomes in their future endeavours, ensuring efficient and successful project execution.



The integration of Evercam's reality capture technology was a game-changer for our SMART Lab project. It revolutionised the way we approached safety, communication, and project monitoring. The enhanced visibility and real-time monitoring capabilities empowered us to prevent incidents and promptly resolve potential issues, leading to improved safety outcomes."



Whether you want to tell us about your project or find out more about our company, get in touch today and a member of our team will get back to you shortly.

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