

Equipment

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Project Title: Evaluation and Testing of Security Services for Caltrans Equipment Yards and Maintenance Stations

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Evaluation and Testing of Security Services for Caltrans Equipment Yards and Maintenance Stations

This task aims to continue pilot testing of the Omniflow smart camera system and to explore the latest security system offerings that could be of use to the California Department of Transportation (Caltrans).

WHAT IS THE NEED?

Caltrans currently experiences high amounts of vehicle component theft at equipment yards and maintenance stations. Cumulatively, the state has had over \$4 million in catalytic converter theft to date. Equipment yards and maintenance stations typically have perimeter fences and sometimes standing guards, but guard services are prohibitively expensive for wider usage. These current security measures are inadequate to deter criminals.

Caltrans requires further testing of the Omniflow smart camera system in addition to researching the latest security system offerings available on the market. With theft becoming an ever-increasing societal issue, new systems with modern features are constantly being developed in response.

WHAT ARE WE DOING?

The research team will conduct extended pilot testing of the Omniflow camera system due to unforeseen issues in planning, designing, acquiring, and installing the system during the prior task. The research will also continue studying existing and future commercially available security systems as the market is rapidly developing.

WHAT IS OUR GOAL?

The goal of this research is to complete extended pilot testing and provide Caltrans with an updated literature review of the current security system landscape.

WHAT IS THE BENEFIT?

This project plans to address the security needs of Caltrans equipment yards and maintenance stations across the state. These advanced security systems are expected to deter theft and streamline the process of alerting responding agencies to intruders at sites where these systems are deployed. In the event of intrusions, these systems will improve safety by giving responding yard staff the video footage they need to assess incidents.

WHAT IS THE PROGRESS TO DATE?

The project panel from the Division of Equipment selected a monitoring agency for the Omniflow camera system installed at Shop 3 in Marysville. The Advanced Highway Maintenance & Construction Technology (AHMCT) researchers are currently working with the vendor and the UC Davis Purchasing Office on a purchase order before pilot testing can begin.