Firearm Detector

IMPETUS

Continuously monitors surveillance camera feeds and automatically creates an alert if a firearm is detected in a public space

WHAT PROBLEM DOES THE TOOL HELP SOLVE?

Dangerous scenarios and extreme events involving use of weapons, sadly, do occur in our cities. The purpose of this tool is to use surveillance cameras to detect firearms in real-time and improve the physical security of open spaces.
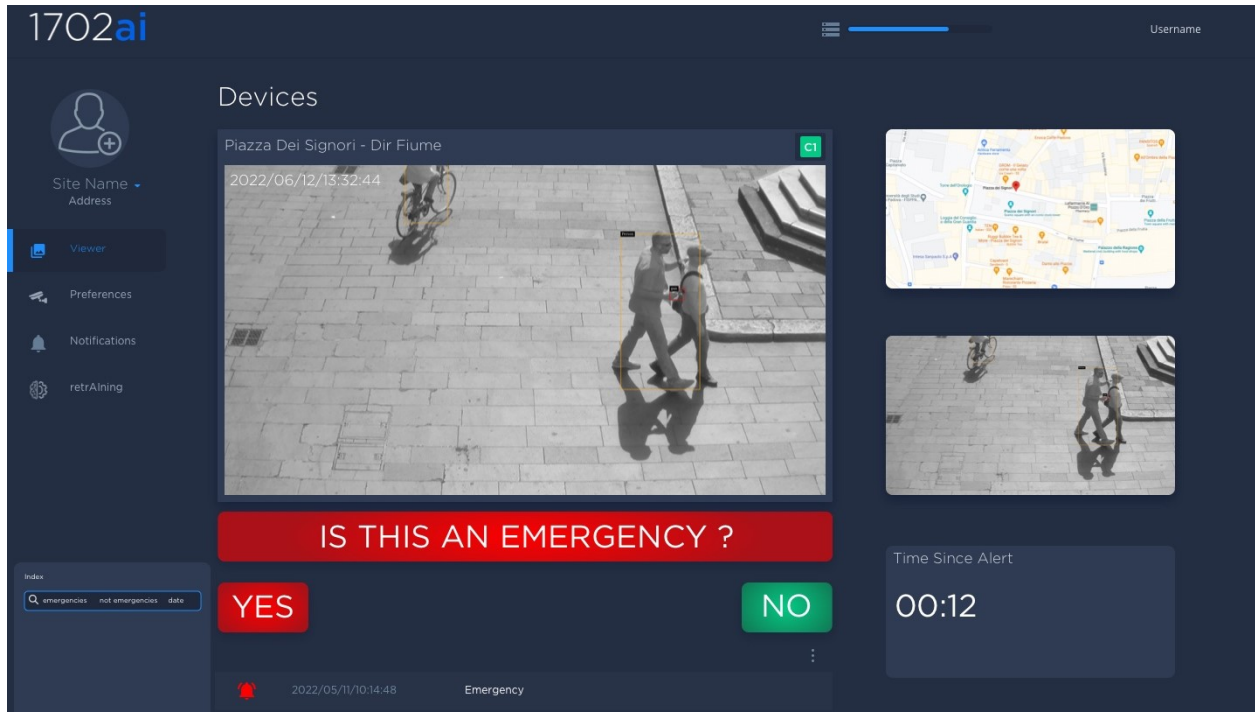
Without this tool:

- Law enforcement is hindered due to the lack of detailed situational awareness (delays and uncertainties in reporting, lack of information about exact location)
- Response times can be lengthy – and in situations where every second count, this can lead to loss of life

With this tool:

- Immediate supply of images and location data enables super-fast response times
- The risk of loss of life is significantly reduced
- SOC operations are significantly improved

HOW IS IT DEPLOYED IN IMPETUS?

- **Who are the users**: Dispatcher at Security Operations Centres and first responders.
- **What are the critical situations for deployment**: The tool is continuously deployed to monitor and look out for weapons (without any operator intervention). If a weapon is detected, an alert is presented to the security operator who can decide how to respond.

HOW DOES IT WORK?

The instant a weapon enters the surveillance video camera's field of view, an alert is shared with the Security Operations Center. Each alert provides immediate situational awareness. The tool is GDPR, NATO and DHS (Department of Homeland Security) compliant.