# Train Monitoring

There are over 1.3 million kilometers of railroad across the world, interwoven into the infrastructures of our towns and cities. A common problem faced by those responsible for managing the intersection of rail and car traffic are trains blocking the railroad crossing. This stoppage presents many issues to cities, from frustrating gridlock to the delaying of emergency services, which can have tragic consequences.

Noema's Train Monitoring Application uses smart cameras and computer vision to monitor railroad crossings and alert operators to stoppages. Informing first-responders and the public to blocked intersections makes cities run smoother and enables emergency services to operate free of obstacles presented by stoppages at intersections.
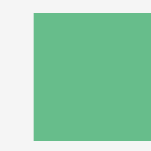
Noema's Train Monitoring Application monitors railroad crossings for stopped trains and alerts operators to train stoppages which helps find optimal routes and accelerates the clearing of blockages.
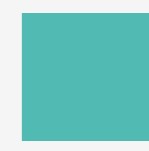
Features / Specs
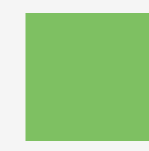
Monitor railroad intersections for blockages
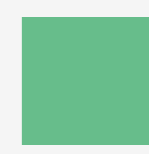
A variety of cameras are supported

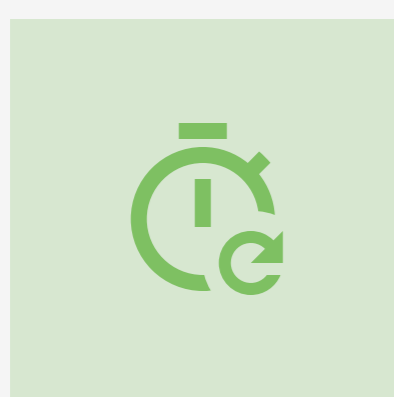Easy configuration & use

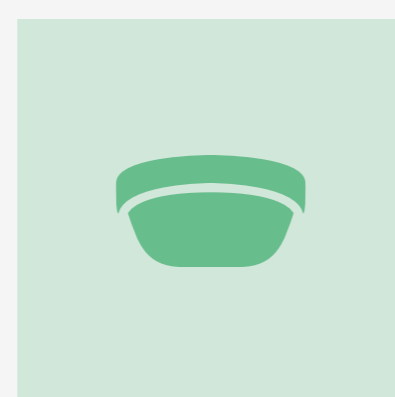Helps estimate road blockage time

Works in all light conditions

Finds optimal routes during blockages

Automated, 24/7 Monitoring

Noema's Train Monitoring application automatically monitors railroad intersections, and sends alarms to operators when a stoppage occurs.

Optimal Routing During Stoppages

Noema's Train Monitoring application alerts emergency services to blocked railroad intersections, so they can find optimal routes and avoid costly delays.
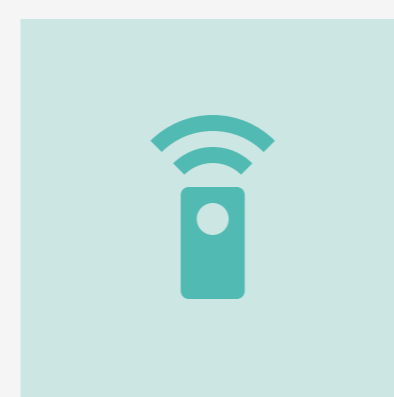
Remote Installation & Configuration

Noema's computer vision applications are easy to install. Mount a new camera or equip an existing one, and configure the application remotely over the internet.
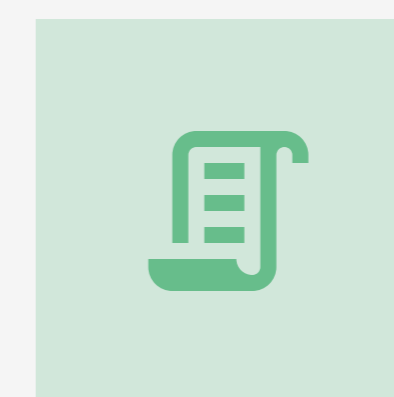
Data and Integrations

The app generates metadata and images which are integrated into a VMS backend using a MQTT interface.