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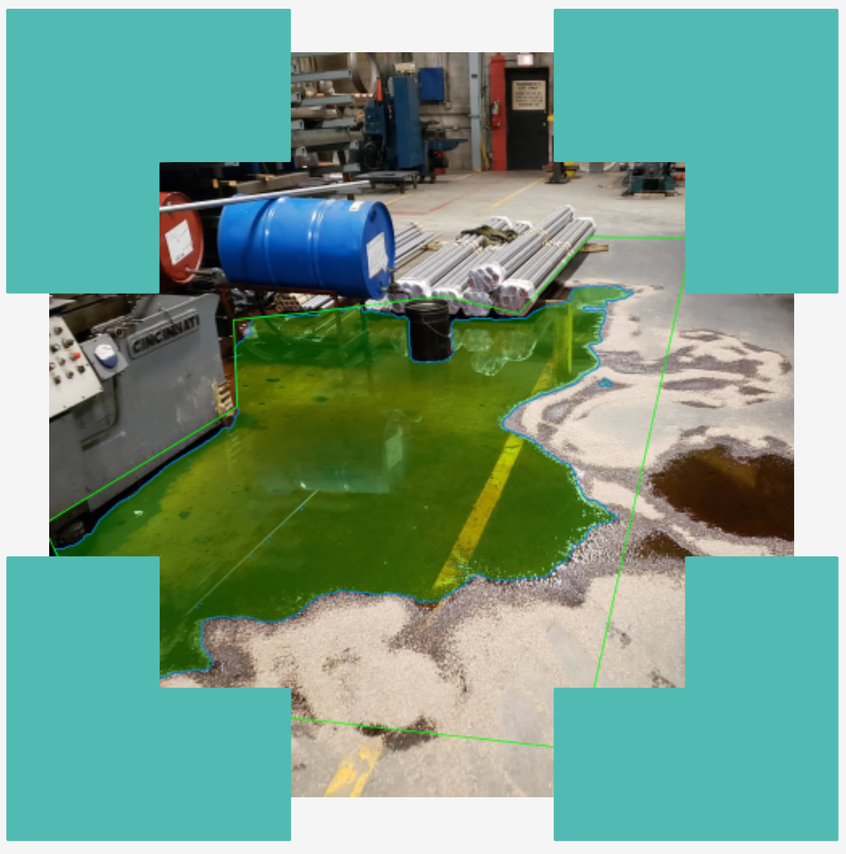
Liquid Leak Detection

Liquid leaks that occur at oil and gas sites in pipes, pumps or tanks can happen at any time and present a serious threat to the environment. These can result in expensive regulatory fines and substantial clean-up costs. A single leak can potentially cost you hundreds of thousands of dollars.

Noema's Liquid Leak Detection Application uses smart cameras and computer vision to monitor predefined areas for puddles or pools of liquid. When leaks are detected, real-time alerts are sent to the user for instant response. The application runs at the edge, either on a smart camera or AI box and can be configured remotely.



Noema's Liquid Leak Detection Application monitors areas at oil and gas sites where leaks are likely to occur and sends real-time alerts to a backend for a faster response.

Features / Specs

- Monitor user-defined leak areas
- A variety of cameras are supported
- Works in all light conditions
- Immune to false alarms from rain
- Can detect water and crude oils
- LiveView stream for real-time monitoring

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Automated, 24/7 Monitoring

Noema's Liquid Leak Detection Application automatically monitors defined leak areas, all day and all night, and sends alarms to the user when leaking happens.

Multiple Terrain Types

Puddles and pools of liquid can be detected on the most common types of terrains at oil and gas sites, including gravel, dirt and cement.

Remote Installation and 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 network.

Data and Integrations

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

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