



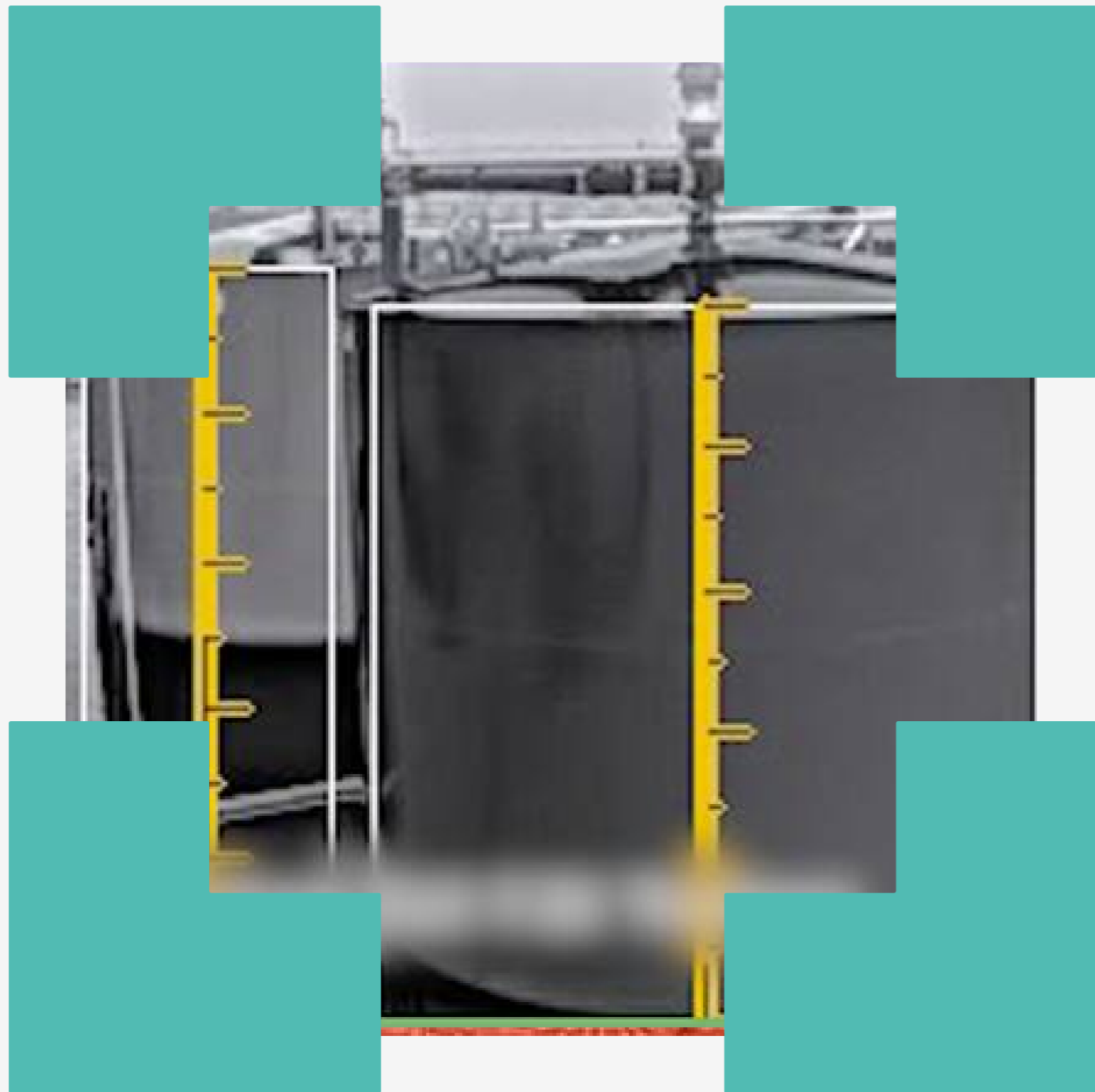
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Thermal Tank Level Monitoring

Getting level measurements from large industrial tanks currently requires complex and precisely calibrated equipment. These tools require highly skilled labor and maintaining them requires the tanks to be opened, letting off harmful gases into the atmosphere in the process.

Noema uses thermal cameras and computer vision to monitor tanks for level-changing events and critical tank levels. Real-time data and alarms based on the readings are sent to a centralized control system. The app runs entirely on the camera or camera LAN and can be configured remotely.





Noema's Tank Level Monitoring app automatically monitors the level of liquid/material in industrial tanks using thermal cameras and digital rulers in any weather conditions.

Features / Specs



Monitor multiple tanks with a single camera



A variety of cameras are supported



Easy configuration & use



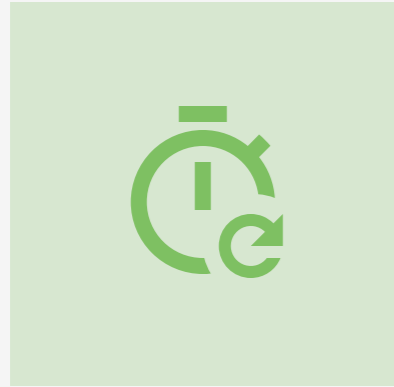
Works in all light & weather conditions



Accurate to 2 pixels

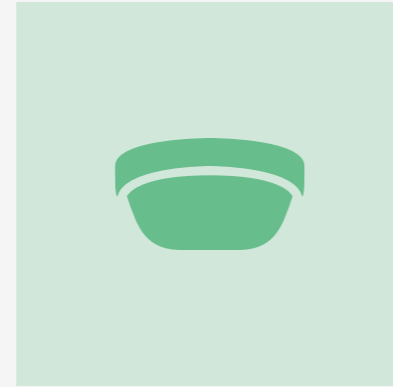


Works with little internet bandwidth



Automated, 24/7 monitoring

Noema's Tank Level Monitoring application automatically monitors tanks 24/7 and sends tank-level data and a variety of alarms to a centralized control system.



Computing at the Edge

Noema's Tank Level Monitoring application operates at the edge, meaning the algorithm runs entirely on the camera, allowing you to monitor multiple tanks, with no added hardware or network connectivity in addition to the camera.



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 easily digestible metadata that can be integrated into any backend or SCADA.

Local API data:

- Tank ID
- Current level