



# Tank Level Monitoring

Our non-invasive tank monitoring can be as accurate as guided wave radar. Plus, you can use one sensor for multiple tanks.

INCLUDED IN  
**Autonomous365.ai**  
Energy AI Suite

## Model Compute Requirements

Spec'd as 15 cameras running concurrently

## MINIMUM REQUIREMENTS

CPU - 1 Cores  
 GPU - N/A  
 RAM - 15 GB

## What is non-invasive tank-level monitoring?

We use a thermal camera to detect temperature differences between liquid and gas. The AI machine model converts this into telemetry data similar to guided wave radar and sends it to your SCADA system. In addition, this eliminates the need to hand-gauge tanks, which is a serious safety concern.

## How accurate is your tank monitoring?

Our early adopter clients asked us to create a tank-monitoring solution that was as accurate as guided wave radar and eliminate the need to ever open the thief hatch. We are within 1% of guided wave radar consistently, so our clients no longer need to purchase guided wave radars.

## What camera is required?

We use a 640x512 LWIR thermal sensor, which is tuned to detect temperature changes on the outside of the tanks.

## Do I need to monitor the camera?

No. Like all CleanConnect.ai machine models, its designed to work autonomously. Our motto is "let the AI do the work," that way no one needs to be dedicated to stare at security monitors—ever!

## What's the Return on Investment? (ROI)

**Cost effective.** Our system is less expensive than a guided wave radar.

**Carbon Offsets.** This eliminates tons of VOC gases, which saves on current & future carbon fees. Our clients estimate they save \$5,600/year per tank in carbon fees by NOT having to open the thief hatch.

**Fee avoidance.** Tank violation fees in CO are now \$49k per incident x number of days.