Continuous and Automatic Tank Emission Quantification

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# MultiSensor Overview

## Company
- 14 Employees
- Boston and Calgary offices
- 4 year old company

## Solution
- Gas detection with low-cost IR camera
  - **Automatic** detection
  - **Continuous** leak rate quantification
- Tank and site monitoring
  - Relocatable (days / weeks)
  - Permanently installed

## Partners
- Partnership with world leader in gas detection
  - Draeger Gas Safety (Germany)
## Technology Overview

### Technical Principle
- Works like an open path detector
- Infrared, but **not** thermal IR
- Not confused by water vapor / steam
- Can detect underground leaks

### Automatic Detection
- Processed inside camera
- Real-time reporting via cloud
- Unsupervised Operation

### Low Price
- Image only, no video
- More than 10x lower than OGI camera

### Leak rate quantification
- Minute-by-minute data
- Automatically added up over days or weeks
Quantifying a fluctuating puff from a tank vent
### Comprehensive Solution

<table>
<thead>
<tr>
<th>Simple &amp; flexible</th>
<th>Coverage</th>
<th>Automatic</th>
<th>Made-in-Alberta</th>
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</table>
| • Non-contact measurement  
• Up to 360 degree field of view  
• Relocatable (trailer) or installed (mast)  
• Mast installation without cherry picker  
• No complex site-specific assessment or computer modelling |  
• Simultaneously monitor vents and thief hatches  
• Multiple tanks at same time  
• Monitor entire site: well head, combustor, separator, etc. |  
• Autonomous for unmanned operation  
• Continuous, any length of time  
• Integrates with 3rd party cloud, flowmeters, WirelessHART |  
• 2H 2020  
• Looking for field test partners |
Contact Information

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