



# Cryogenic Liquid Gas Tank Remote Telemetry Monitoring

## The GASOTRAK Advantage

Gasotrak is a Telemetry Remote Monitoring Solution for Liquid Industrial and Medical gases - Oxygen, Nitrogen, Argon, Carbon Dioxide, and Nitrous Oxide. It is a comprehensive Software-as-a-Service (SaaS) solution to monitor pressure and level remotely and provide alerts and status notifications. Simple and Easy to configure and use.

Monitor and manage liquid gas tank from anywhere, anytime, using any internet-connected device - PC, Laptop, Smartphone. Liquid gas pressure and level readings data stored in “the cloud” protects against data loss and allows unlimited information storage. The solution has built-in artificial intelligence processing that forecasts consumption over 48 hours. In addition, the solution sends SMS/email alerts and status notifications to your mobile device\email, virtually eliminating emergency phone calls.

The solution integrates with an AMBRA device - A wireless and self-contained, compact telemetry remote monitoring device that tightly integrates a highly precise single unit dual sensor for pressure and level with electronics for output signal technology. The monitor runs on battery-operated solar power and uses minimum power - pre-configured and fully assembled - easy to install, configure, and use.

### Liquid Gas Monitoring Challenges

- Typical errors in manually collecting and compiling data
- Significant training and oversight to manage manual record-keeping
- Accuracy of maintaining timely manual records hinders in analyzing data or its effective use
- Tank asset management, audit, and periodic gas inventory is laborious and time-consuming
- Potential out-of-stock issues and manual reordering on an emergency basis
- High delivery costs and critical to business sustainability
- Produce and deliver gas to meet emergent requirements cost-effectively
- Non-availability may result in irreparable damage
- Underutilized production\ storage assets due to current inefficient and inaccurate monitoring
- Time inefficiencies and misunderstanding of verbal delivery requests

### Background

Cryogenic Pressurized Liquid Gas bulk delivery in bulk preferred over gas in small cylinders. It eliminates working with large numbers of smaller cylinders that are costly to fill, deliver, receive, and track. Industrial gas companies use tankers to provide cryogenic liquid gas in bulk to customer tanks. As a considerable investment, it becomes imperative to use these assets efficiently. Knowledge of inventory and reordering gas at the right time is crucial for customers’ operational status and is a critical element that directly impacts customers’ sustainability.

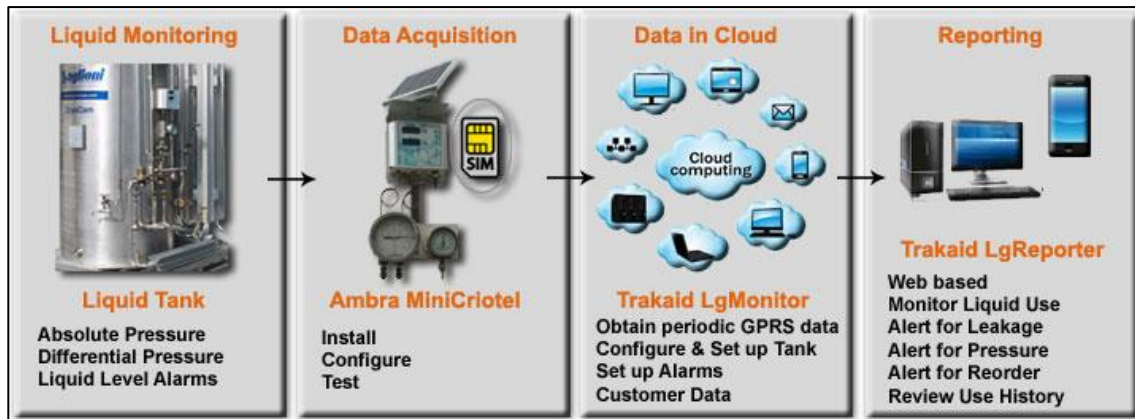
The current manual tank monitoring process is not practical. It often results in frantic emergency calls to the gas company, often in the middle of the night, requesting bulk gas delivery immediately. It takes time for production and for delivery to arrive. The non-availability of gas may do irreparable harm or loss of revenue.

It is laborious and time-consuming to maintain timely manual records—lack of up-to-date data results in the inability to analyze and act timely.

## Remote Technology

The GASOTRAK solution employs a wireless compact monitoring device that converts an analog signal from a sensor into a digital signal. A unique identification code identifies the monitoring device. Periodically the digital data is transmitted using GPRS technology to the host data server. The data stream received is recorded and analyzed against a preset custom configuration. Alerts are generated and sent at various thresholds via email/SMS. The devices are robust, have a long lifespan, function well in extreme environments and are housed in IP 65 rated enclosures to withstand extreme weather conditions. Device is powered by battery charged with solar energy.

## How it works



## Key Features

### Robust Monitoring Device with unique AMBRA technology

For 30 years, AMBRA Sistemi S.R.L, Italy (AMBRA) has been a prominent cryogenic liquid gas monitoring business leader - Solution in use by AIR LIQUIDE, AIR PRODUCTS, MESSER, LINDE, PRAXAIR, SOL, and various other gas suppliers.

### Highly Precise compact wireless Solar-powered Device

Highly precise compact sensor to sense pressure and level with electronics for signal output that uses minimum power. It uses a long-lasting battery charged by a solar panel. It is pre-configured and fully assembled - easy to install, configure and use

### Latest Technology using enterprise-Class Architecture

The Software-as-a-Service Solution uses the latest Technology with a user interface rendered for any device and built using a robust, flexible, and modular architecture.

### Access from Anywhere

Customize and control access to employees and customers from anywhere using an internet-connected device.

### Automated Alerts \ Comprehensive Real-Time Reporting

Updates wherever you are by sending SMS/email alerts

### Maximum Data Protection

Storage of liquid gas pressure and level readings in "the cloud" automatically protects against data loss and allows for limitless information storage

### Predictive Analytics - Schedule Just in Time Delivery - eliminate emergency calls

Built-in artificial intelligence predicts consumption over the next 48 hours; it Helps alert \ schedule regular \ timely delivery and eliminates costly emergency delivery

### Analyze Usage Pattern

Manage production and schedule delivery to maximize revenue.

Schedule a Free Demo via email [support@trakaid.com](mailto:support@trakaid.com) or [www.trakaid.com/contactus](http://www.trakaid.com/contactus)