UTILYZE: AI-Powered Gas Analytics for Utilities and End Customers

Utilyze, Inc. harnesses machine learning to cut gas leak calls and response time for utilities. Our real-time, appliance-level alerts raise awareness with customers, while our predictive maps help field teams target where and when leaks may happen.

Utilyze.co — The Next Evolution of Utility Data

San Antonio, Texas

Leadership Team

CEO – Kenneth Anshewitz

-Captured radio frequency data from meters using **hardware** with zero coding experience

-Collaborated with leaders on strategies to build, buy, or partner across **payments and analytics** products for utilities

-Built websites for clients on blockchain technology and **property management**

Problem - lack of data-driven solutions for gas leaks

🔥Lagging Gas Meter Data

Gas utilities like CPS Energy report hourly usage data to customers 24 hours too late, and many meters only post data for monthly billing purposes.

🗺️ Reactive Gas Leak Response

Gas utilities rely on calls to locate leaks, leaving field teams to manually prioritize incidents, often wasting time on false alarms instead of high-risk areas.

Similar to leak detection software for water, and predictive maps for electrical outages, Utilyze wants to bring machine learning to natural gas use cases.

Solution - customer engagement and workforce software using real-time data

Appliance-Level Alerts🔥

Utilyze disaggregates gas data to send proactive alerts to customers, preventing unnecessary calls and potential disasters. Imagine the impact of a simple text if you left the stove on for too long.

Predictive Gas Leak Maps🗺️

Utilyze layers in various geospatial datasets to create heatmaps using historical calls and incidents, usage patterns, and even data like rainfall, so field teams know where to look first.

At the Texas Gas Association Conference and Distributech in Dallas, gas utility decision makers expressed interest in discussing potential solutions.

Product Approach

Get Data From Utility Meters

We could use hardware to capture usage data from radio frequencies that are constantly emitting from meters or work with utilities to share data

Ingest into Snowflake Data Warehouse

Snowflake generally reduces both implementation cost and time compared to on-premise setups and Databricks

Deliver Alerts via Text, Email, and Dashboard

No application required — alerts are sent to both customers and utilities to reduce calls and response time

Market Size - Utility Company Use Cases

1,000	76M	196M	$10M
Gas Utilities	**Gas Accounts**	**Gas Users**	**Revenue Potential**
Public Gas Utilities in the United States	70M homes + 6M US businesses use natural gas	190M people + 6M US businesses use natural gas	*Assumes top 50 utilities adopt both maps + analytics*

Utilities typically pay $100k each for mapping and analytics products, but predictive insights will command higher premiums

Competition - lagging data, static insights, narrow use cases

Utility Provided Leak Detection Software

Water utilities typically only check for continuous use over 48 hours, but by that time damage is done

Utility Maps are Static but Becoming Predictive

KUBRA is a leader in mapping products and has begun exploring predictive outage maps for electric

Gas Leak Detection Software is Nascent

Itron Intelis meters auto-shutoff in extreme events limiting leak use cases & slowing broad deployment

Differentiators - faster, cheaper, and more advanced use cases

Advanced Gas Alerts 📱

Positive feedback on the concept of gas stove alerts to prevent leaks and fires as well as the ability to report appliance level efficiency for prioritizing upgrades.

Gas Workforce Tech 🛠️

Unlike electrical outages, predicting a gas leak requires layering in many complex datasets while allowing for faster and more insightful incident reports to PHMSA.

Gas Leak Detection 🔥

Unlike Itron's emergency shutoff-only meters, we include broader usage analytics offering immediate deployment versus having to wait years for utilities to build it out.

We're differentiated across the board with new features that solve problems for properties and reduce liabilities for insurers