



## Case Study: Entering New Markets with GORE® Performance Membranes for Gas Sensors

### Enhanced Accuracy and Longevity for Gas Sensors

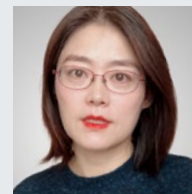


#### ? CHALLENGE

**Entering the international market with an advanced product offering:** Gore's client, a prominent provider of gas sensor solutions in Asia, came to Gore with a clear goal. From monitoring gas concentration and emission to detecting potentially dangerous leaks in production sites, reliable gas detection has become a key asset in industrial applications. With more and more companies joining the competition, the client needed a solution that would not only match but **exceed current market standards in both performance and reliability.**

Eager to meet the challenge, Gore's engineers thoroughly studied the market's existing benchmark solution, **carefully disassembling its structure and analyzing its performance.** With the gained insights, they designed an innovative membrane solution tailored to the client's needs.

"Our customer's gas sensors are used in various industries, including chemical engineering, oil & gas, mining, and many more. Upgrading their sensors opens the door to significant growth opportunities."



**Victoria WJ Li, Field Sales Associate**



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#### SOLUTION

**GORE® Performance Membrane for Gas Sensors** proved to be the ideal choice for the client's ambitious goals. Throughout the development, the Gore and client teams worked closely together, sharing valuable information on test results and needed alterations. The collaboration was further bolstered by **Gore's well-stocked and local sample supply**. By providing product samples within just a few days, Gore ensured that the client could conduct tests without delay, keeping the project on track.

#### THE TECHNOLOGY BEHIND THE SOLUTION: GORE® PERFORMANCE MEMBRANES FOR GAS SENSORS

GORE® Performance Membranes are designed to meet the increasing demands of the gas sensor market, delivering several key benefits:

- Extended sensor lifespan
- Enhanced measurement stability
- Lower production costs
- Greater accuracy
- Faster response time

For specifications and more detailed information on installation, please visit: [gore.com/sensor-membranes](https://gore.com/sensor-membranes)

"Timely delivery of samples is critical to meeting project deadlines, especially when multiple rounds of testing are required. Having local stock ensured that our customer stayed on schedule."

**Victoria WJ Li, Field Sales Associate**



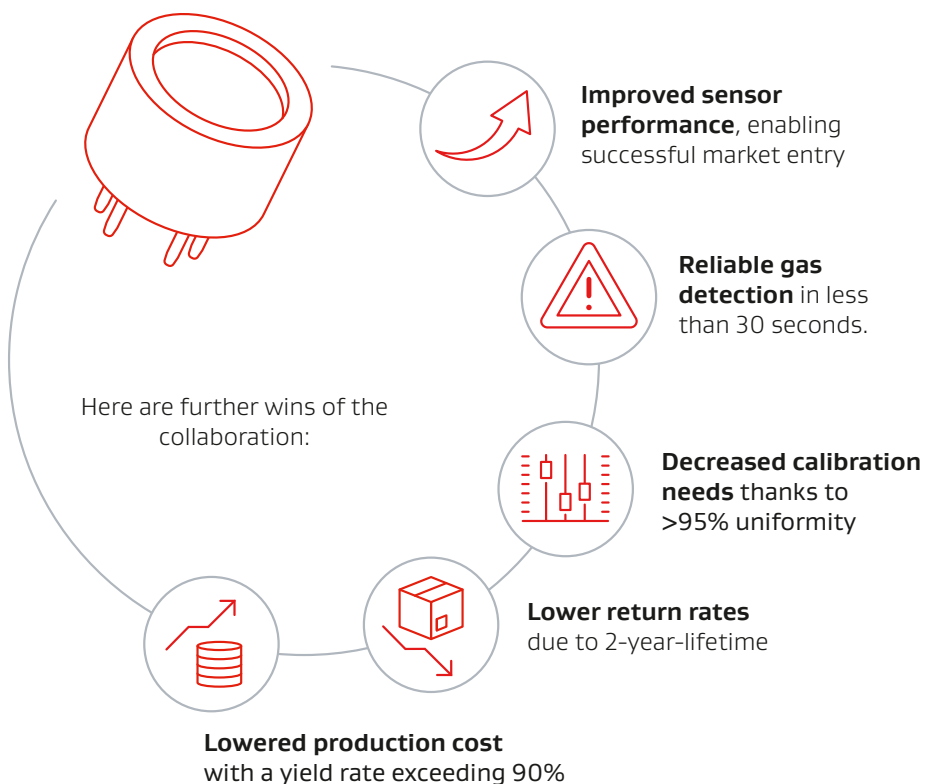


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#### ★ RESULTS

With Gore's support, the client significantly improved the performance of their gas sensors, allowing them to successfully enter new international markets. The results were so compelling that the client implemented GORE® Performance Membranes across their entire product line. Here is what convinced them:



"Our engineers dedicated themselves to understanding the client's specific challenges. Step by step, we worked closely with them to identify the optimal solutions for improving their sensors' performance."



Victoria WJ Li, Field Sales Associate

#### WANT TO KNOW MORE?

To learn more about Gore outdoor solutions, visit our website: [gore.com/protectivevents](https://gore.com/protectivevents)

Or check out more of our case studies: [gore.com/oestories](https://gore.com/oestories)



# Why Choose GORE® Portable Electronic Vents for Your Electronic Devices?

Leading OEMs have purchased over 10 billion GORE® Portable Electronic Vents because they know our products and services can help accelerate their development of innovative and differentiated devices in fast-paced, highly competitive markets.

## PRODUCT AND APPLICATION LEADERSHIP

Grounded in a deep understanding of material science and acoustics, Gore can provide the optimum venting solution. We balance trade-offs between diverse problems such as adverse operating environments, immersion events and acoustic performance.

## RELIABLE PERFORMANCE

To ensure products are “fit for use”, every Gore product must adhere to the highest standards of quality, performance and reliability. Through a comprehensive understanding of end-use applications and requirements, our products do what they say they will do.

## FAST DEVELOPMENT

The mobile electronics industry develops and releases new products quickly. Our fast response to customer requests during the development process sets us apart. Gore supports this need for quickness with designs and prototypes to ensure engineering teams can meet their project timelines and their application requirements.

## SUPPLY SECURITY

Leading OEMs specify Gore because we have consistently proven our ability to quickly ramp up to supply vents for projects of over 10 million devices per year and to continue to supply high quality products on-time without disruption.

## MATERIAL SCIENCE

Gore is a global materials science company dedicated to transforming industries and improving lives. Gore develops materials with microporous structures that provide desirable attributes and performance characteristics to engineer vents and other products used in a variety of markets and industries.

## GLOBAL SUPPORT

Our global teams of sales associates, application engineers, manufacturing engineers, and research personnel enable us to provide agile and robust support to customers around the world.

## Interested in Testing Our Products or Talking to Our Experts?

For additional assistance, please contact a Gore representative.

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