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## MEDIA ADVISORY

# Corning To Debut Hyperspectral Imaging Platform for Low-Earth Orbit at SPIE Defense + Commercial Sensing Exhibition

*Corning's end-to-end solutions help increase optical precision, so customers can see the unseen.*

**What:** SPIE Defense + Commercial Sensing Exhibition

**When:** April 21 - 25, 2024

**Where:** Booth #1112, Gaylord National Resort & Convention Center, 193 Waterfront Street, National Harbor, Maryland 20745

**Corning, N.Y. – [Corning Incorporated](https://www.corning.com)** (NYSE:GLW) will highlight cutting-edge innovations for the aerospace and defense industry at SPIE Defense + Commercial Sensing Exhibition, including the latest in hyperspectral-imaging technology.

“From the far reaches of space to the depths of the ocean, Corning enables ground-breaking aerospace applications where precision matters,” said Scott Flint, Business Director, Corning Aerospace & Defense. “With our commitment to quality and collaboration, Corning delivers infrared, multispectral, and hyperspectral electro-optic systems that solve our customer’s toughest optical challenges.”

Corning will showcase its customizable hyperspectral platform for low-Earth orbit. With a ground sampling distance of eight meters, the technology is capable of sensing from the ultraviolet to the short-wave infrared (400-2,500 nanometers). The platform’s remarkable onboard computing, storage, and processing capabilities deliver exceptional optical and sensor performance. It also includes a flexible electro-mechanical interface design suitable for a variety of host platforms and functions.

**At Booth #1112, visitors can view:**

- **A Large Aperture Primary Mirror Designed for Orbital Sidekick (OSK)**

This lightweight-aluminum primary mirror is a key component in the hyperspectral sensor for six of OSK's GHOST™ low-Earth-orbit satellites. Capturing nearly 500 bands of light, OSK uses the technology to pinpoint methane leaks across millions of miles of oil and gas pipelines, helping reduce global greenhouse gas emissions in the fight against climate change.



- **Interactive Remote Sensing Demonstration**

This display will feature [commercial hyperspectral technology](#) in action with Corning's microHSI™ family of hyperspectral sensors and systems. Visitors will be able to detect specific materials and conditions, like iron ore and crop ripeness, in a simulated Earth environment. Visitors will also see how Corning's hyperspectral sensors are designed specifically for integration into highly compact, unmanned aerial vehicles (UAVs) and cost-efficient drones for terrestrial applications.



In addition, Corning will showcase its microwave connectivity solutions, radomes, and glass-based telescope mirror and lens blank materials, including Corning® HPFS® Fused Silica and Corning® ULE® Glass.

Corning experts will also lead two technical presentations, which guests are invited to attend:

**[Theoretical principles and design practices for long-pass filter coatings](#)**

When: April 22, 2024, 4:20-4:40 p.m.

Location: Potomac 5

Presenter: Yongli Xu, Optical Coating Engineer

**[Corning's standard low earth orbit \(LEO\) hyperspectral imaging platform](#)**

When: April 24, 2024, 11:10-11:30 a.m.

Location: National Harbor 8

Presenter: Jesse Brown, Hyperspectral Integration Engineer

For more information on Corning's remote sensing solutions, visit [www.corning.com/remotesensing](http://www.corning.com/remotesensing).

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**About Corning Incorporated**

Corning ([www.corning.com](http://www.corning.com)) is one of the world's leading innovators in materials science, with a 170-year track record of life-changing inventions. Corning applies its unparalleled expertise in glass science, ceramic science, and optical physics along with its deep manufacturing and engineering capabilities to develop category-defining products that transform industries and enhance people's lives. Corning succeeds through sustained investment in RD&E, a unique combination of material and process innovation, and deep, trust-based relationships with customers who are global leaders in their industries. Corning's capabilities are versatile and synergistic, which allows the company to evolve to meet changing market needs, while also helping our customers capture new opportunities in dynamic industries. Today, Corning's markets include optical communications, mobile consumer electronics, display, automotive, solar, semiconductors, and life sciences.