

# Floor Covering Media

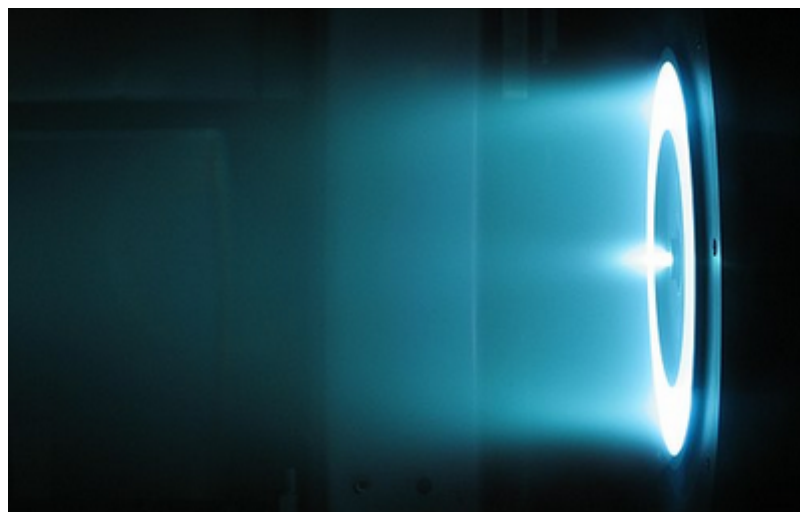
Your Gateway to the Floor Covering Industry

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## Satelite Internet Constellation



The first 27 operational satellites for Amazon's Project Kuiper were [launched](#) on April 28, 2025, at 7:01 p.m. EDT (2300 UTC) at Space Launch Complex-41 at Cape Canaveral Space Force Station in Florida using a United Launch Alliance (ULA) Atlas V rocket forming a satellite internet constellation.



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Notably, Project Kuiper will collectively consist of 3,236 satellites, which operate in 98 orbital planes in three orbital shells, one each at 590 km (370 mi), 610 km (380 mi), and 630 km (390 mi) orbital altitude. The satellites are equipped with [Hall-effect thruster technology](#). Phase 1 deployment includes 578 satellites at 630 km altitude and an orbital inclination of 51.9 degrees. The plan for constellation development will be implemented in five (5) phases.

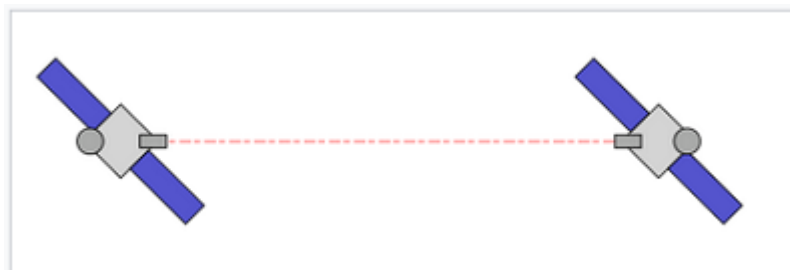
amazon | project kuiper

Project Kuiper will be working in concert with Amazon's large network of 12 satellite ground station facilities named the AWS Ground Station unit. An AWS Ground Station, a managed service that functions as a satellite communications hub, lets users control, process, and downlink data from satellites without building or managing a ground station infrastructure. It provides a convenient and scalable way to access satellite data for various applications, including weather forecasting, imaging, and communications.

Amazon Web Services, Inc.



Ground stations connect to the ground-based internet; and the satellites will interconnect via optical infrared laser connections. Optical infrared laser connections (AKA: Laser Communication) use infrared laser light to transmit data, offering significant advantages over traditional radio frequency (RF) systems, especially in space and long-distance applications. These connections can transmit data at faster rates and with greater bandwidth, which enables faster data transfer and higher-definition video transmission.



Amazon refers to this technology as OISL (short for: [optical inter-satellite link](#)). These particular lasers are capable of maintaining 100 Gbps over distances up to 2,600 km among two satellites moving at 25,000 km/h. Current in-space tests conducted have demonstrated this speed up to a distance of 1,000km. Curious about this project? Click on the link to watch the [video](#) of the launch.

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As of April 2025, two prototype and 27 production satellites were launched.

Floor Covering Media publishes  
press releases called Flooring Updates.



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## Flooring Network

For those in the market and those that serve it

Floor Covering Media is  
a social media network.

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## **Floor Search**

**Answers to Questions About Flooring**

Retrieve timely, objective news and  
information at <https://www.floorsearch.info>.