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Spire Global and OroraTech Awarded Contract by Canadian Space Agency to Demonstrate Wildfire Detection Methods from Space

VIENNA, Va.--(BUSINESS WIRE)-- The Canadian Space Agency (CSA) has awarded a contract to Spire Global, Inc. (NYSE: SPIR) ("Spire" or "the Company") subsidiary ExactEarth Ltd. to deliver preparatory work for implementation phases of a wildfire monitoring satellite. The contract is the initial step towards CSA's planned WildFireSat mission, which aims to monitor all active wildfires in Canada from space on a daily basis to support wildfire management, provide Canadians with more precise information on smoke and air quality conditions, and more accurately measure the carbon emitted by wildfires. Spire will partner with OroraTech, the global industry leader in space-based thermal intelligence, for the contract. The two firms have previously worked together on the successful launch of OroraTech's wildfire detection and monitoring mission on a Spire satellite in 2022.

Global wildfire losses from 2018-2022 totalled $69 billion, according to Munich Re. Canada spends around $1 billion every year fighting wildfires, with indirect costs estimated to be several times higher due to resulting property destruction, infrastructure damage, evacuations, health-related expenses and wider economic losses across business sectors such as forestry, energy and tourism. In 2016, the Fort McMurray wildfire alone led to a total cost of around $9 billion, making it the most expensive natural disaster in Canadian history. The mission will benefit the country's forestry industry, wildfire managers, emergency services and Canadian communities, all of which are frequently impacted by wildfires.

OroraTech created the first global wildfire intelligence service for commercial and institutional customers. OroraTech partnered with Spire Space Services to launch its first payloads, a thermal infrared camera and data processing unit, on a Spire 6U satellite. With over 150 satellites built and launched over a decade of operations, Spire was able to help OroraTech validate their initial concept quickly and cost-effectively and demonstrate its functionality in the orbital environment, handling not only the satellite platform but also taking care of integration and providing access to the company's ground station network. All of which has enabled OroraTech to advance towards its plan to provide data insights to its customers every 30 minutes and within 3 minutes from detection at any place on Earth, while also demonstrating the range of applications supported by Spire across Earth observation wavebands in addition to its radio frequency expertise.

The Canadian Space Agency's contract is further testament to the use of cutting-edge satellite technology to improve wildfire monitoring and early detection methods. Data can be captured from remote areas of the world and processed quickly to identify current and future

risks.

“We are delighted to be collaborating with OroraTech on another exciting project, building upon the momentum generated from our previous mission together,” said Frank Frulio, General Manager of Spire Space Services. “At Spire, we have a strong track record of demonstrating the benefits that space can bring to life on Earth, and I can’t think of a more important and critical application than protecting our environment, people and property from destructive wildfires. We look forward to supporting the Canadian Space Agency on this important issue.”

The design and implementation of WildFireSat is anticipated to commence in spring 2024, with the project expected to be delivered in 2029.

About Spire Global, Inc.

Spire (NYSE: SPIR) is a global provider of space-based data, analytics and space services, offering unique datasets and powerful insights about Earth so that organizations can make decisions with confidence in a rapidly changing world. Spire builds, owns, and operates a fully deployed satellite constellation that observes the Earth in real time using radio frequency technology. The data acquired by Spire’s satellites provides global weather intelligence, ship and plane movements, and spoofing and jamming detection to better predict how their patterns impact economies, global security, business operations and the environment. Spire also offers Space as a Service solutions that empower customers to leverage its established infrastructure to put their business in space. Spire has eight offices across the U.S., Canada, UK, Luxembourg and Singapore. To learn more, visit spire.com.

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