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Rosenbauer partners with OroraTech to combat wildfires

- Satellite-based earth observation to speed up response times and shorten firefighting operations

Rosenbauer, a worldwide leading fire-service vehicles and firefighting equipment manufacturer, and OroraTech, a leading digital wildfire intelligence service, have entered a strategic partnership to combat the emerging problem of wildfires by means of satellite systems.

According to the UN, the number of wildfires is estimated to rise by 50% by 2100, and wildfires will become more intense and more frequent, ravaging communities and ecosystems in their path¹. Digitalizing firefighting, the partnership between Rosenbauer

¹ <https://www.unep.org/news-and-stories/press-release/number-wildfires-rise-50-2100-and-governments-are-not-prepared>

and OroraTech will provide actionable insights to emergency organizations and forces on the ground.

Rosenbauer CSO Andreas Zeller: "Based on our long-time expertise of firefighting on the ground, the combination of our incident command system Connected Command and the satellite data provided by OroraTech enables faster response times and allows us to save the health and lives of firefighters."

OroraTech CEO Thomas Grüber: "Partnering with Rosenbauer, we will unlock satellite and other sensor data for emergency services around the world in a seamless manner, helping them for faster and more accurate response."

With the satellite data generated and analysed by OroraTech, Rosenbauer will further process and integrate this information to provide all the relevant data for those fighting and managing wildfires. The result is an uninterrupted information flow of life-saving insights reaching from fire detection to emergency response.

Already today, OroraTech provides up-to-date wildfire information derived from public satellites with thermal imaging cameras. However, at intervals that are rarely sufficient to prevent disasters, depending on the region: delayed by up to 6 hours. Together with OroraTech, Rosenbauer plans to expand this system into a wildfire monitoring and fighting system that works with intervals of up to 30 minutes. To this end, the Munich-based startup will launch up to 100 satellites the size of a shoebox, each equipped with a high-resolution thermal imaging camera and artificial intelligence, into space over the next few years. The first prototype has already been orbiting since January 2022.

About OroraTech

OroraTech is a data intelligence company headquartered in Munich, Germany, with the mission to create truth for a net-zero economy and protect our environment. Their leading wildfire intelligence service is used by clients all over the globe, monitoring more than 160 million ha of forest. The service will be complemented by multipurpose thermal-infrared sensing nanosatellites with in-space artificial intelligence to improve real-time response and to improve continuous coverage. The first of its kind satellite was successfully launched in January 2022 and will be expanded to a fleet of 100 satellites over the following years. Founded in 2018, the company has grown to an international team of 65 employees supported by private and institutional investors, the European Space Agency, and the governments of Germany and Bavaria.

About Rosenbauer

Rosenbauer is an international group and a reliable partner to fire services around the world. The company develops and produces vehicles, fire extinguishing systems, fire

and safety equipment and digital solutions for professional, industrial, plant and volunteer fire services and systems for preventive firefighting. Rosenbauer is represented in approximately 120 countries by a sales and service network. With revenues of € 1,044.2 million and around 4,000 employees (as of December 31, 2020), the Group is the world's largest firefighting technology provider.

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