

NEWS RELEASE

## ASTERRA EarthWorks for mines wins Successful Innovation Award at Perumin 36

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Past recipient of AWWA Innovation Award wins for its satellite-based solution for monitoring mine infrastructure

TEL AVIV, Israel--(BUSINESS WIRE)-- ASTERRA announced they were named the recipient of the Successful Innovation Award at **Perumin 36 Convention Minera**, organized by the Peruvian Institute of Mining Engineers, for ASTERRA EarthWorks for mining. With approximately 100 different technology companies considered for the award, **EarthWorks** was the winner.

As a satellite-based solution, Earthworks supports risk and disaster prevention efforts by detecting and analyzing underground soil moisture wherever it may predict or potentially cause critical infrastructure to fail, such as tailings dams. Unlike other solutions that the mining industry uses, EarthWorks is preventive, scalable and requires very few images to cover large areas.

One useful element in EarthWorks is the alert and alarm system that provides a progressive notification for soil moisture concerns. Alerts serve as early warnings, bringing the customer's attention to a grid where there appears to be a higher level of moisture within a specific soil moisture band. Alarms signify more severe situations, requiring immediate attention from customers to address potential risks.

Peru is a global center for mining operations, with primary extracts being copper, silver, phosphate, and gold. As an important part of their economy, it is critical for mining companies to monitor the infrastructure of the mines as a way of preventing accidents, such as the recent fire reported by **CNN World**.

"Across the world, EarthWorks for mines is already mitigating risk of accidents, protecting human life, and preserving the environment," said Elly Perets, chief executive officer of ASTERRA. "We are thrilled to receive this innovation award from Perumin, a respected organization in the mining industry."

ASTERRA was also the 2021 recipient of the inaugural American Water Works Association Innovation Award, which was followed by a similar award from the Japan Water Works Association for a project in Toyota City. These honors were based on ASTERRA Recover, and the Perumin innovation award is based on applying ASTERRA EarthWorks to Mining. At Perumin, the solution and technology were presented by Gaston Scolnik, the president of Meridian del Plata, an ASTERRA partner. ASTERRA EarthWorks was also a finalist in the GE awards in the UK for its solution for **road infrastructure** with Highway England.

ASTERRA (formerly Utilis) provides geospatial data-driven platform solutions for water utilities, government agencies, and the greater infrastructure industry in the areas of roads, rails, dams, and mines. ASTERRA services use Polarimetric Synthetic Aperture Radar (PolSAR) data from satellites and use artificial intelligence (AI) to turn this data into large-scale decision support tools. The company's proprietary algorithms, and highly educated scientists and engineers are the keys to their mission, to become humanity's eyes on the Earth. Since 2017, ASTERRA solutions have been used in over 64 countries to over 600 customers, verifying over 100,000 leaks, saving over 368 billion gallons of potable water, reducing carbon dioxide emissions by 235,520 metric tons, and saving 920,000 MWH of energy, all in support of United Nations Sustainable Development Goals. ASTERRA is headquartered in Israel with offices in the United States, United Kingdom, and Japan. Their innovative data solutions are used in multiple verticals around the globe. For more information on ASTERRA and to learn more about their technology, visit <https://asterra.io>.

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