

ASTERRA and Tomorrow.io Team to Prevent Infrastructure Failures Worsened by Climate Change

Monitoring weather impact over vast areas provides data-driven insights that will help prevent catastrophic disasters

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/EINPresswire.com/ -- Climate change is influencing global weather

phenomena and increasing risk to [infrastructure](#) and installations. Airports, roadways, mines, dams, and other large installations must proactively develop monitoring programs and predictive insights to identify emerging risks, prevent disasters, and protect infrastructure.



Together ASTERRA and Tomorrow.io provide a full solution of weather and climate, adaptation technology"

Elly Perets, chief executive officer of ASTERRA

Today, ASTERRA and Tomorrow.io announced a new initiative to provide weather intelligence for maintaining and monitoring large-scale infrastructure. The two companies will focus on industries where monitoring and preserving the infrastructure of large installations is critical. Together, these capabilities will mitigate safety risks, downtime, property damage, unforeseen costs, and preventable litigation.

Both ASTERRA and Tomorrow.io are dominant in their industry and provide actionable insights that protect the environment. [Tomorrow.io is a weather intelligence platform](#) that predicts and proactively helps organizations avoid costly weather disruptions in their business. Tomorrow.io's platform and API are used by individuals, cities, and businesses around the world including Delta, Ford, and Uber to mitigate risk due to weather events.

ASTERRA will provide EarthWorks and other products based on analytics derived from L-band Polarimetric Synthetic Aperture Radar (PolSAR) satellite data and their patented algorithm. L-band radar is not commonly used by Earth observation companies, but it has the benefits that allow penetration of pavement and imaging through trees and clouds at any time of day and in any weather condition, as well as detecting soil moisture underground to find water leaks, assess pipes, explore minerals, and locate moisture over vast areas. In The Netherlands, ASTERRA's

EarthWorks is used as a tool to monitor infrastructure on the many dikes and levees protecting their communities. ASTERRA has located over 65,000 leaks of potable water and reduced carbon emissions by 134,930 metric tons.

“Together ASTERRA and Tomorrow.io provide a full solution of weather and climate, adaptation technology,” said Elly Perets, chief executive officer of ASTERRA. “This includes advanced data about weather event impact and pipeline defects, by monitoring every type of weather impact including soil moisture to prevent major catastrophes where infrastructure could fail.”

ABOUT ASTERRA

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 products and services use Polarimetric Synthetic Aperture Radar (PolSAR) data from satellites and 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. ASTERRA is investing in artificial intelligence (AI) to bring its products to the next level. Since 2017, ASTERRA technology has been used in over 64 countries, saving over 210,830 million gallons of potable water, reducing carbon dioxide emissions by 134,930 metric tons, and saving 527,070 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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