

ASTERRA EarthWorks solution shows positive results in monitoring tailings dam performance and safety

PolSAR-based technology brings swift ROI and safety to the mining industry

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Following positive results from its monitoring service, [ASTERRA](#)

announced that its EarthWorks solution was successfully used as a tailings dam monitoring tool by a leading mining company in the Scandinavian region of Europe. Their goal is to create an accident-free and healthy operation that is characterized by safety and well-being, and therefore

are constantly implementing new technologies and innovations to ensure sustainable work environments.



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Eddy Segal, vice president for sales and business development at ASTERRA

“Forward-thinking companies are always looking for technologies that can improve performance and safety. We are thrilled the EarthWorks solution, which in this case was used for tailings dams monitoring, was adopted in Europe,” stated Eddy Segal, vice president for sales and business development at ASTERRA.

This use of ASTERRA's EarthWorks solution supports the

[United Nations Global Industry Standard on Tailings Management](#), reduces the negative environmental impact caused by mining, and has a positive climate influence. ASTERRA is well known in the Earth observation industry for its contribution to the environment and this is another example of how companies can use ASTERRA's solutions to protect nature and people's lives.

EarthWorks is a solution that provides efficient and improved satellite-based surveillance of critical infrastructure. It is used to monitor the area near large installations, seeing through pavement and treetops, uninhibited by light and weather conditions. The technology yields data revealing the actual underground soil moisture that increases the risk of failure or catastrophe. Numerous industries are now served by EarthWorks, including dams, levees, roads, rail, mining,



and property. Costs are greatly reduced with ongoing monitoring of the underground soil moisture.

“Using Earth observation satellites to inspect critical assets will improve staff safety as more work gets done off-site. In this specific case, subsurface moisture mapping can alert maintainers to a dam’s internal erosion a long time before any signs appear on the surface,” Segal added.

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 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 276,000 million gallons of potable water, reducing carbon dioxide emissions by 176,640 metric tons, and saving 690,000 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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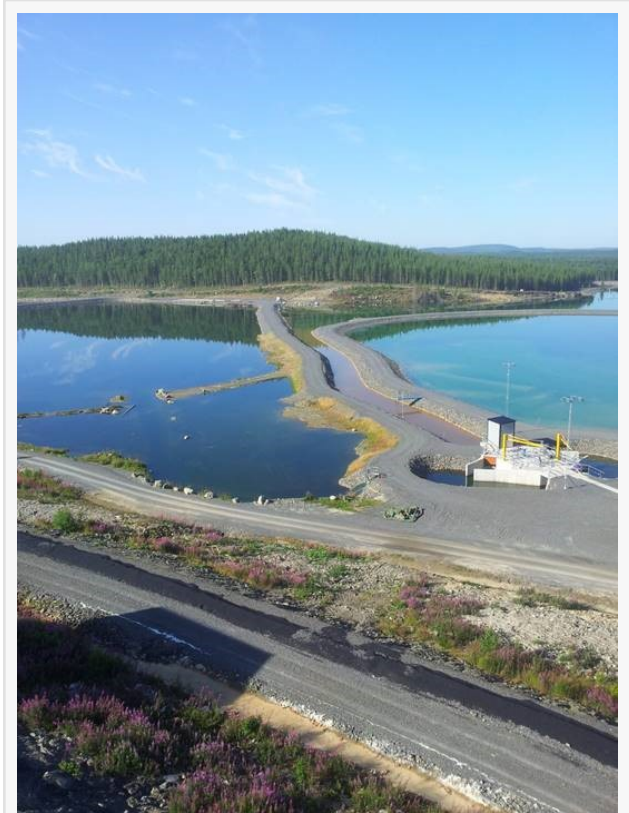
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