How autonomous drones are transforming mining operations

Percepto demonstrated how a drone-in-a-box can improve monitoring, inspection, surveying, compliance, safety and security at Smart Mining 2.0

Percepto, the global market leader for autonomous industrial drone solutions, shared how mining operations around the world are harnessing its multi-mission Drone-in-a-Box (DIB) solution to improve monitoring, inspection, security, safety and compliance. The event which focuses on transformational technologies in the mining sector took place in Toronto on 19-20 September.

Accessing essential data at a mining operation often involves personnel climbing on stockpiles with GPS equipment, 3D imaging and laser inspection, or hiring manned aircraft to fly over sites. The mining industry has been quick to recognize that drones offer a viable alternative to these costly and laborious processes. At Smart Mining 2.0, Percepto demonstrated how the next generation of autonomous artificial intelligence powered DIB are able to collect, capture and analyze more data across more applications much faster, and at greatly reduced cost.

Chief Commercial Officer & Co-Founder of Percepto, Ariel Avitan, explained, "Conducting site surveys, routine noise and dust pollution assessments, daily inventory and equipment checks, perimeter security patrols and production forecasts can all benefit greatly from the rich sources of aerial data and insights that our multi-mission DIB are able to capture and transform into meaningful insights."

Autonomous drones also minimize risk associated with confirming the clearance of safety zones ahead of planned explosions, as well as

For an introduction to Percepto's autonomous DIB solution, watch this short video: https://www.youtube.com/watch?v=lHTfzw141iY

providing real-time situation monitoring in the case of an emergency. Ariel also notes how drones are supporting the increasing use of driverless vehicles: "Drones can assess large sections of roadways quickly and immediately notify personnel of any obstacles that may impede or damage vehicles and slow down operation."

At Smart Mining 2.0, Ariel demonstrated how Percepto's autonomous drones are making the benefits of drone technology more accessible for mining companies around the world. He added, "Mining companies have been quick to recognize the potential of the technology to transform their operations, however the operational expense and availability of skilled pilots has proven prohibitive. With Percepto, once the DIB is deployed the only cost is the electricity to power the system."

About Percepto

Founded in 2014, Percepto is the market leader of on-site autonomous drone solutions for critical infrastructures and industrial sites. Operating with no need for human intervention, Percepto's autonomous Sparrow drones perform multi missions, around the clock. The solution is ideally suited to any large-scale enterprises looking to improve security, increase productivity and reduce safety risks and operational costs. Organizations using the Percepto solution are better aware of events taking place, allowing them to be proactive and more efficient in addressing risks and operational needs. The Percepto Solution is currently in use around the world including Enel in Europe, as well as a number of Fortune 500 organizations. The company is the recipient of the Frost & Sullivan Global Enabling Technology Leadership Award.

For more information
Web: www.percepto.co