



P243/20e
July 21, 2020

Joint News Release

BASF and IntelliSense.io partner to accelerate the mining industry's digital transformation

- **BASF and IntelliSense.io announce strategic partnership combining chemical, mineral processing and digital expertise**
- **BASF Intelligent Mine powered by IntelliSense.io delivers artificial intelligence solutions for ore beneficiation providing remote 24/7 optimization across the mine-to-market value chain**
- **Optimization as a Service (OaaS) applications can be configured for individual mine sites within three months**

Ludwigshafen, Germany and Cambridge, UK – July 21, 2020 – Global chemical company BASF and IntelliSense.io, a leading industrial artificial intelligence (AI) company, announced an exclusive partnership which will combine their expertise in mineral processing, ore beneficiation chemistry and industrial AI technology. The joint offering is called the 'BASF Intelligent Mine powered by IntelliSense.io' and delivers AI solutions embedded with BASF's mineral processing and chemical expertise. This solution will enable mine operations to become more efficient, sustainable and safe.

BASF Intelligent Mine powered by IntelliSense.io is an open, real-time, decision-making platform that can be configured for individual sites, typically within three months. Each mining process, such as grinding, thickening, flotation and pumping, is supported by an Optimization as a Service (OaaS) application which predicts and simulates future performance, generating process-specific recommendations for insights and optimization. As multiple OaaS applications link together, customers can generate efficiency gains throughout the entire mine-to-market value chain.

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Remote operations access allows for 24/7 visibility of mine operational and financial performance, with BASF process experts available to provide real-time support. Additionally, the in-built simulation tool can be used to test alternative operating conditions, train staff and run non-intrusive 'what if' scenarios.

The AI solutions are based on a hybrid cloud architecture, enabling both on site and cloud deployments, to help mining industry partners accelerate their digitalization programs in their operations.

Early adopters of the Intelligent Mine, Image Resources, have experienced promising results from the Intelligent Mine deployment in the mineral sands industry. "Image Resources is both excited and optimistic about the potential the BASF Intelligent Mine powered by IntelliSense.io can have to positively impact the accuracy and efficiency of our process control functions to meaningfully improve our bottom-line," said Patrick Mutz, Image Resources Managing Director. "From our experience so far, we are confident it will achieve these results whilst simplifying and de-stressing operational decision making."

"Our partnership with IntelliSense.io combines state of the art artificial intelligence and decades of ore beneficiation experience in to a powerful, fast and easy to deploy optimization platform," said Damien Caby, Senior Vice President, BASF Oilfield Chemicals & Mining Solutions. "Efficiency improvements resulting from the first implementations by our joint dedicated team are helping customers accelerate the digital transformation of their mining operations."

"In a tough economic climate, the need to focus on mining productivity, within sustainable and remote operational constraints, is driving pressure on operating and capex budgets and requires innovative solutions with accelerated value delivery," added Sam G. Bose, CEO IntelliSense.io. "The partnership between BASF and IntelliSense.io ensures mining organizations have a partner that understands both their operational risk as well as new technologies."

For those looking to accelerate their current digitalization efforts, more information on the BASF Intelligent Mine powered by IntelliSense.io can be found on www.basfintellisense.io or via a BASF Mining Solutions representative.

About BASF Mining Solutions

With innovative products, global field support and industry leading technical expertise, BASF Mining Solutions provides sustainable solutions which increase productivity, recovery and flexibility throughout the hydrometallurgical process of mining operations in leaching, solvent extraction, flotation, solid/liquid separation and tailings management. Further information can be found at www.mining-solutions.basf.com.

BASF Mining Solutions is part of BASF's Performance Chemicals division. The division's portfolio also includes Fuel and Lubricant Solutions, Plastic Additives, as well as Oilfield Chemicals and Kaolin Minerals. Customers from a variety of industries including Chemicals, Plastics, Consumer Goods, Energy & Resources and Automotive & Transportation benefit from our innovative solutions. To learn more, visit www.performancechemicals.basf.com.

About IntelliSense.io

IntelliSense.io is the leading Industrial AI company making mining operations more efficient, sustainable and safe through trusted and open Artificial Intelligence (AI) solutions. IntelliSense.io Industrial AI solutions are optimizing Mining industry processes across the Mining value chain resulting in increased value delivery, reduced energy & water consumption, minimized waste & reduced process variability. Active deployments of IntelliSense.io technology span mining operations across Chile, Australia, Kazakhstan, Brazil and South Africa. To learn more, visit www.intellisense.io.