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VERIDAPT puts physical fertilizer stocks under continuous digital watch

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The Sydney-based technology company is taking its digital bulk inventory platform to Europe, aiming to replace periodic checks and manual reconciliation with continuously updated data for supply-chain and AI applications

A persistent problem in fertilizer logistics is not necessarily a shortage of data, but the difficulty of knowing whether the data reflects what is actually sitting in a stockpile, silo or tank. Sydney-based technology company VERIDAPT is targeting that gap with a digital bulk inventory monitoring and reconciliation platform that it plans to showcase at the Argus Fertilizer Europe Conference in Prague from October 20 to 22.

The companyâ??s pitch is straightforward: fertilizer producers, distributors and traders need a more continuous view of physical inventory as products move through storage and distribution networks. Yet inventory positions are often built from periodic measurements, manual reconciliation and information drawn from multiple operational systems.

That can leave businesses with a fragmented picture of how much product they hold, where it is located and how stocks are changing.

Moving beyond periodic inventory checks

VERIDAPT combines automated measurement with cloud-based software to monitor bulk commodities stored in stockpiles, silos and tanks. Instead of depending exclusively on periodic physical measurements, the system is designed to generate continuously updated information on inventory levels and movements. It can also reconcile physical inventory against recorded positions, flag unexpected movements and anomalies, and connect inventory information with existing enterprise systems.

For fertilizer companies, the distinction has operational significance. The industry operates around seasonal demand, complex transportation networks and relatively narrow application windows. Knowing not only how much fertilizer is available but also where that inventory sits can influence distribution, logistics and supply planning.

â?? You cannot optimize what you cannot see,â?• said Damir Hasagic, Vice President of Strategy & Growth at VERIDAPT. â??Fertilizer companies manage significant value in physical inventory, but when that information is periodic, fragmented or manually reconciled, thereâ??s inevitably a gap between the physical operation and the digital systems used to manage it.â? The company believes closing that information gap can change the role of inventory dataâ??from a record of what has already happened into an operational input for decisions about what should happen next.

Building the data layer for AI

VERIDAPT is also positioning inventory visibility as a prerequisite for broader digitalisation. Fertilizer companies are increasingly exploring artificial intelligence, automation and advanced analytics across their operations. But those systems are only as useful as the underlying operational data. If physical inventory information is delayed, incomplete or difficult to reconcile, the quality of downstream analysis can suffer.

VERIDAPT is therefore not presenting its platform as a replacement for a companyâ??s existing AI infrastructure. Instead, it is designed to provide a continuously updated physical-inventory data layer that can feed enterprise systems, analytics platforms and customer-specific AI applications.

Potential uses include identifying inventory anomalies, analysing stock movements, strengthening forecasting and supporting logistics optimisation. â??VERIDAPT closes that gap by turning physical inventory into trusted, continuously available digital data, giving businesses greater visibility today and a reliable foundation they can connect to their own analytics and AI tools tomorrow,â?• Hasagic said.

That approach reflects a broader shift in industrial digitalisation: the next gains from AI may depend as much on establishing reliable operational data as on deploying increasingly sophisticated algorithms.

Europe becomes a test market

VERIDAPT will use the Argus Fertilizer Europe Conference to demonstrate its platform to producers, traders, distributors, storage operators and technology partners. According to the company, the event is expected to bring together more than 700 attendees representing more than 350 companies across 55 countries, providing access to participants spanning the fertilizer value chain.

The companyâ??s focus at the conference will be on applications where physical inventory represents a significant operational and financial asset and where discrepancies between recorded and actual stocks can affect decision-making. Its fertilizer offering forms part of a wider technology platform designed to monitor and reconcile high-value bulk commodities moving through stockpiles, silos, tanks and other storage environments. As fertilizer markets become more data-driven, that connection could become an increasingly important foundation for logistics, forecasting, inventory control and the next generation of AI-enabled supply-chain operations.