

Fives displays Digital Factory™ and UltiView®, its latest innovations to maximize installations performance

Fives displayed its latest innovations to enhance performance of the intralogistics installations, at the 2017 Intralogistics Europe trade show in Paris. Digital Factory™, a mass data processing platform was presented on the booth; the Group's Intralogistics teams were also present in a specific innovation area, called the *Mega Demonstrator* to showcase UltiView®, a new tool for piloting installations through vision.

With many decades of proven expertise in IT, Intralogistics teams have been entrusted to the development of **Digital Factory™** application by the Group. This data processing platform aims at improving operation and maintenance of the production systems by optimal data use and analysis. The millions of heterogenous data collected by Digital Factory™ is then securely transferred and stored before being analyzed, formatted and presented on a dashboard which can be customized according to the customer's needs. Those analyses are carried out by complex algorithms which utilize their own results to become more and more efficient (this is called *Machine Learning*). Those previous results allow the customer to draw conclusions for the future and predict potential failures that might occur. The user can then anticipate breakdowns, optimize the organization of resources and significantly enhance his equipment productivity. Whether computerized or not, this universal platform is available for production and distribution system types, and can be integrated into the customer's tool for data analysis. Fives automated solutions can obviously also integrate Digital Factory™.

UltiView® is a proprietary vision system designed for intralogistics installations which provides the automated handling systems with the ability to see. This is a breakthrough innovation based on a overlapping cameras network and the allocation of a unique ID per item. UltiView® allows the full tracking of items all along their conveying process, no matter the failures they encounter. Smart cameras can detect very thin items like enveloppes or even sheets of paper, which standard tracking systems cannot. UltiView® can also provide in-depth analyses of items moves, as well as information about items quantities, identification or speed, in order to manage and proactively anticipate failures like jams, slippage and chutes. Last, UltiView® permits complete traceability of the items, reinforcing functions such as tracking and failure analyses for instance.

"With those breakthrough innovations, our customers once more benefit from our IT expertise. Whether for operation or maintenance objectives, our goal is to support operators in the improvement of installation performances. Besides, both solutions are connected: UltiView® data input may be used to feed Digital Factory™ processing platform", explains Philippe Verne, Fives Intralogistics SAS CEO.

Those innovations and more than two decades of experience in the development of software suites for the management of automated and mechanized systems prove Fives capacity to offer breakthrough and flexible solutions in order to maximize performance and optimize operation and maintenance of installations.