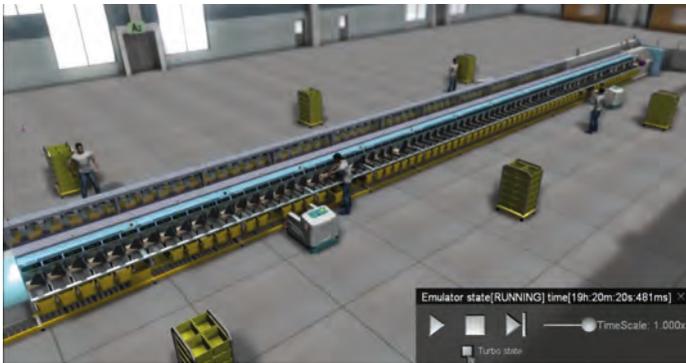
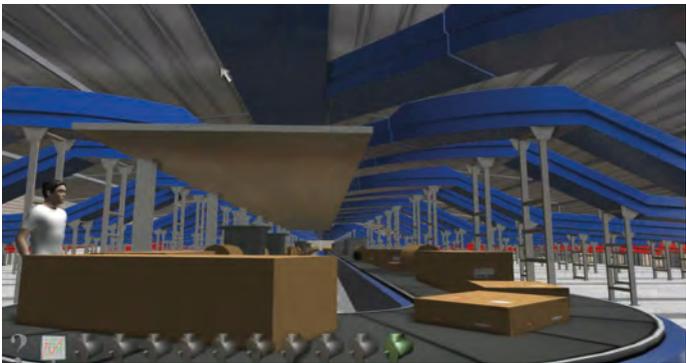


TRIED AND TESTED

Posts can ensure they're investing in the right sortation solution for their needs thanks to a new digital simulation tool that tests the machine before installation



SOSi can emulate the integration of a new sorter or conveyor system

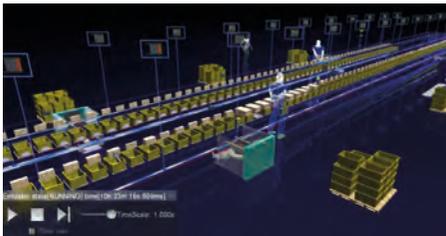


The flow simulation tool enables clients to check for any bottlenecks in a new setup

The ever-increasing complexity of logistics systems, combined with a requirement for fast deployment and quality, is a challenge for equipment suppliers and integrators, including Solystic. The company must show its customers that the systems it provides are correctly scaled and optimized to ensure their integration and deployment are delivered on time and within budget.

To meet this challenge, European initiatives like Industry 4.0 and Factory of the Future highlight the importance of simulating complex systems through the Digital Twin concept. That is the approach Solystic has been applying for the past decade with its SOSi simulation/emulation software. SOSi started out as a digital copy of the solutions provided by Solystic and its partners, a copy that made it possible to perform tests in real time on the software that controls the machines and on the systems that they are connected to.

Thanks to SOSi, you no longer need to physically have the equipment on hand



SOSi provides detailed analysis of each sorting module

when validating the software; this enables you to anticipate the tests and to check any new versions prior to a delivery, with no risk to any deployed equipment. This simulation involves both discrete tasks like processing individual letters or parcels, and continuous tasks such as conveying items on a belt.

To process complex systems involving equipment from several suppliers, Solystic has enhanced SOSi with flow simulation capabilities that allow for a wider perspective by using the systems' highest levels. Then, by combining the flow simulation and the equipment simulation within SOSi, it becomes possible to take into account the entire lifespan of any complex system, from the pre-sales phase all the way to final on-site integration and deployment.

Real-life scenario Solystic recently undertook an ambitious project that consisted of fully automating the sequencing of a postman's rounds and involved sorting machines, robots, conveyor belts and storing systems. To begin with, Solystic shared the SOSi model with the customer to check the legitimacy and suitability of the proposed system, as well as its correct scaling, by making use of SOSi's flow simulation capability.

SOSi was then used to perform extremely fine tests on the key elements in the system, first through simulation then under real-life conditions. The same

approach was used at every step in the integration of the various pieces of equipment, which came from a variety of partners located in different countries. As a result, Solystic was able to install the overall system directly at the customer's site, on time and with a minimal integration period.

During operational tests, SOSi was used in parallel to the real system: by analyzing any would-be gaps between the system and its model, Solystic was able to find avenues of improvement.

Perfect partner Solystic now systematically uses SOSi when conducting its programs, especially when deploying its XMS 2, an upgrade of the XMS sorting and sequencing machine with added functions such as automated dumping, supply, recirculation and clearing. SOSi is also a decisive tool in designing and validating projects relating to parcel-sorting systems for postal operator hubs, where Solystic works with a partner.

The ongoing use of Solystic's simulation tool will establish SOSi as a digital companion to support the most complex systems and their components for their entire lifetime.

FREE READER INQUIRY SERVICE

SOLYSTIC

To learn more about this advertiser, visit www.ukmediaevents.com/info/po NOW!

READER INQUIRY 102