Redefining Mixed Palletizing

What if your growing throughput requirements exceed the capacity of your equipment to handle it? You upgrade your capacity of course.

But what if your operation is a highly complex material handling and distribution system, incorporating many different types of equipment from different suppliers?

Wouldn't it be great if you could see just how they would work together first?

An Innovative 'Spider'

RSW B.V. develops, builds and supplies innovative palletizing and de-palletizing solutions for high-end distribution centers and warehouses in the global market of fast moving consumer goods. RSW's innovative MLS Spider is an award-winning, fully automated system that can stack high-capacity random product orders of all kinds of shapes, sizes and type of packaging on both pallets and rolling containers of any type. RSW teamed up with Visual Components to help Nedac Sorbo, a supplier of complete non-food concepts to supermarkets, simulate how the MLS Spider could meet their mixed palletizing needs.

But will it Work?

Nedac Sorbo B.V. supplies supermarkets, DIYs and wholesalers in the Benelux, the UK and Ireland. The company moves, sorts, and distributes a multitude of various products every day, and they had basically outgrown the capability of their existing equipment to keep up. Their existing palletizing system couldn't handle the volume, and they needed a more efficient and faster one to keep up with growing demand, a high end sorting machine with an automatic palletizing machine for dollies, roll containers, and pallets. The new RSW mixed palletizing solution replaces a system more than a decade old;

The Nedac Sorbo pilot project

as such, Nedac Sorbo needed to know if the Spider would work efficiently and effectively, integrated with their existing systems. Visual Components' software suite visualization tools provided the confirmation that they needed.

The whole layout for that production area was completely new and the installation is a combination of different new technologies and solutions, which add up together to create a completely new way of making mixed palletizing.

VISUAL COMPONENTS

Letting the Customer 'See it for Themselves'

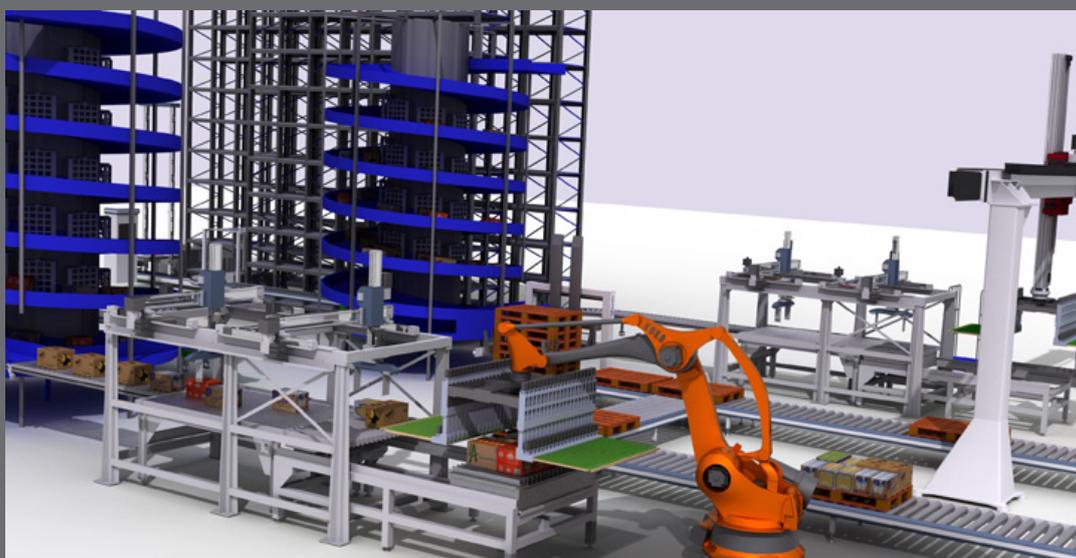"The factory simulation software from Visual Components gave us the ability to assemble the line, integrate the equipment, and make it work, all in simulation, before any hardware was purchased or installed. In this case, simulation was the key to success"concludes **Marcel van Schijndel, CEO, RSW IP B.V.**

RSW was looking for tools to cover the needs of sales, marketing, layout design, and project engineering. However, they found only one solution satisfying all their needs – the Visual Components simulation suite. It was the first time that RSW had found a product which met all their demands, was open for continued development, and beat out the competition. In the Visual Components simulation suite, RSW found a multi-purpose simulation and visualization tool with extensive built-in tools for statistical analysis of production systems and machinery. It also offers layout designers an easy to use integrated interface for communicating with external systems. At the same time it creates sales layouts, marketing material, payback calculations – all this without additional work. RSW also has it in their sights to extend the use of the software to help them in validating controls engineering and testing interfacing to third party machinery.

Everybody Wins!

Visual Components successfully applied its software suite in partnership with palletizing systems leader RSW to support the successful pilot implementation of RSW's innovative materials handling systems in the pilot project, saving time, money, and effort, bringing the new mixed palletizing solution online faster and with less troubleshooting and unforeseen issues.

Visual Components is a leading global provider of 3D factory simulation software. These innovative, powerful tools offer machine builders, system integrators, and manufacturers around the world a simple, quick, and highly cost-effective way to build and simulate their total process solutions. Visual Components' powerful software suite consists of four software solutions packages: 3DCreate, 3DSimulate, 3DRealize R and 3DRealize.

The Visual Components Simulation Layout

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