



SITEC Industrietechnologie

Founded in 1991 and based in Chemnitz in Germany the 30 million euro company has become a market leader in the planning, design, production and installation of complete assembly and hybrid industrial production lines, particularly for the automotive industry. Sitec expertise covers both large scale and small batch contract production for precision parts utilising 5 axis CNC technology and specialist processes including electrochemical deburring and laser machining. Sitec has long standing expertise delivering highly optimised and reliable automation solutions to their customers.



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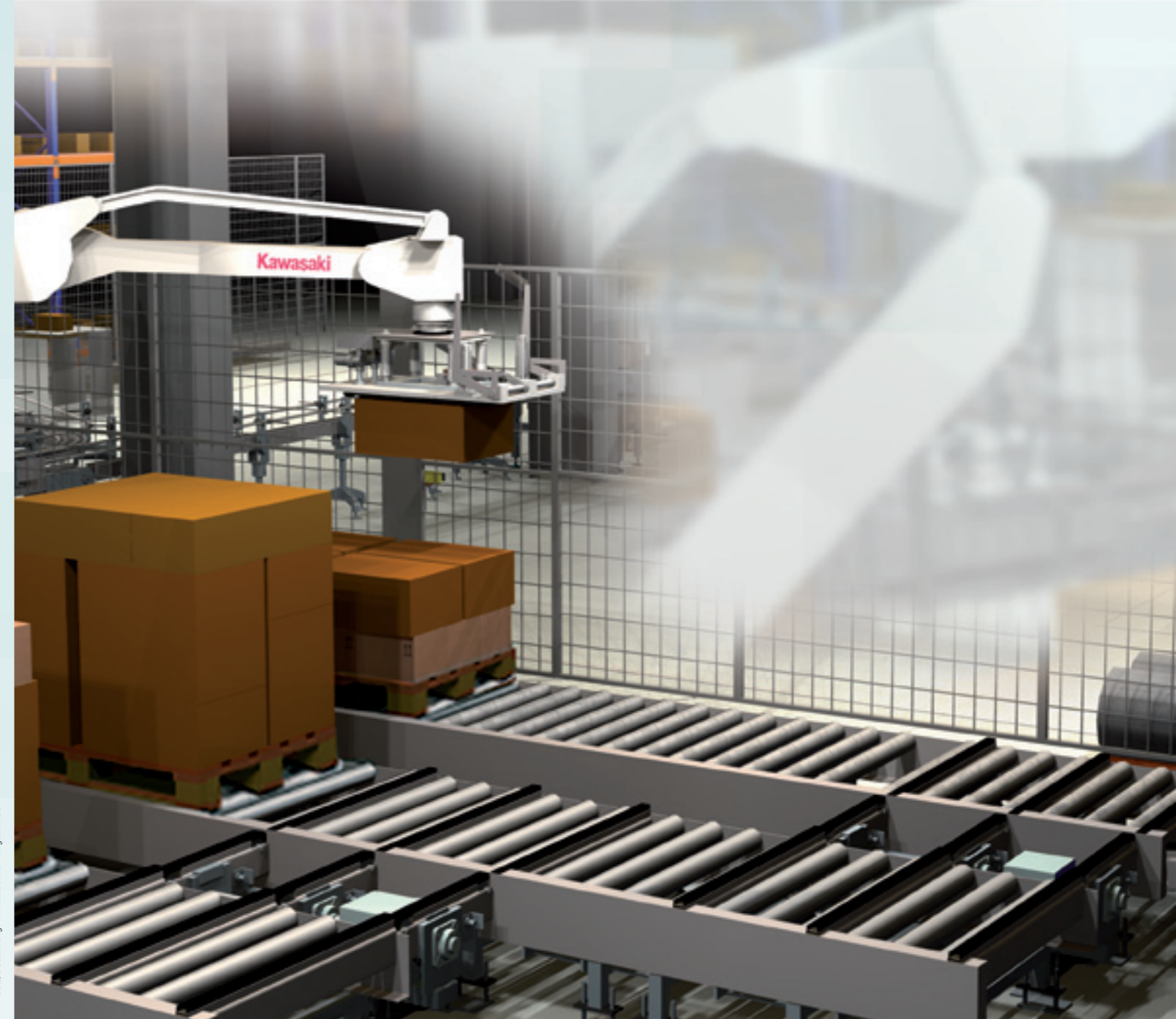
Die DUALIS GmbH IT Solution

DUALIS GmbH IT Solution is a leading provider of innovative simulation, optimization and production scheduling solutions from Germany. Founded in 1990 in Dresden by Prof. Krug over 200 customers worldwide were able to improve and optimize their production processes since then. Self developed software tools in the areas of Simulation and Optimization are the base of the DUALIS customized applications in different industrial areas like Automotive, Packaging, Automation Assembly, Robotics and Logistics. Extract of the DUALIS customer and partner reference list in the DUALIS GmbH IT Solution production and process industry: Audi AG, DaimlerChrysler AG, Volkswagen AG, Shell Deutschland Oil GmbH, Schenker Deutschland AG, Wilhelm Karmann GmbH, MDC Power GmbH Kölldeda, ZF Lemförder Fahrwerktechnik GmbH & Co., Miele&Cie. KG,



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3D-Simulation

3DCreate scores highest in vigorous Sitec analysis

Affordable simulation software helps SITEC accelerate bidding, production and implementation of complex assembly systems

SITEC Industrietechnologie GmbH has selected three-dimensional (3D) manufacturing simulation and visualization software from Visual Components (VC) to shorten the process of bidding, building and implementing complex industrial assembly systems, and increase their competitive edge in a global market.

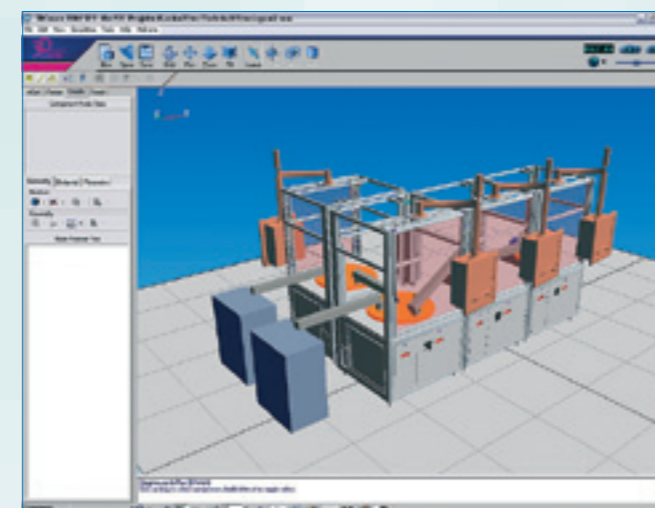
A key characteristic of SITEC's product range is modularity, exemplified by the company's VARIOMODUL® modular assembly system. The range and flexibility of this system and others has created a major sales advantage, but new methods of simulating, visualising and testing increasingly complicated product configurations and variants is now necessary, particularly at the planning and design stages.

The company knew that existing process simulation software differed greatly in functionality and ranged in price from 5,000 to an extreme of 50,000 euros. A rigorous search and analysis project was started to objectively and systematically compare potential solutions.

A reference model representing a typical "use-case" was selected as an evaluation benchmark. Eleven leading suppliers were singled out and after careful screening four shortlisted, including VC.

VC's software, represented by the company's German reseller, Dualis GmbH IT Solution, scored highest in the evaluation and was selected as the preferred solution. SITEC made the decision based on several factors: the integrated software offered the best and most comprehensive functionality at a price far below that demanded by larger suppliers. However, the close support of Dualis both in creating a pre-sales reference model and providing other assistance greatly influenced the decision. Positive comments from existing users and advanced technological features also played an important role.

"The unique 'drag-and-drop' technology of VC in combination with the intelligent 'plug and play' modularity of its software library – the only supplier able to offer



Fully automatic assembly line

"We use SolidWorks for product design and based on our CAD data we wanted to build a reusable library of simulation models," said Nico Nebel, a SITEC application engineer. "Each model would represent a product family with a set of parameters to cover the wide range of modularity and functions. Based on this we are able to quickly assemble a layout to evaluate a proposed system's performance and ultimately speed the order to development process."

Nico Nebel, SITEC application engineer, SITEC Industrietechnologie GmbH



ML2 injector drive

this – meant the simulation of various layouts and variations can be produced rapidly after the model library has been created," said SITEC's Mr. Nebel. This is a vital benefit when new business bids have to be produced quickly but accurately, and various options or variants also need to be worked out.

SITEC has now adopted VC's 3DCreate as the best value-for-money software for the simulation of complex, modular assembly systems for use within the bidding, development and implementation phases of its pro-

ducts and systems. 3DCreate will enable the company to ensure the concept-to-production solutions for customers are 'right-first-time', and provide a powerful and reusable management asset for not just planning, design, production and implementation, but also marketing and sales.