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## 3DCreate scores highest in vigorous SITEC analysis

### CUSTOMER CHALLENGE:

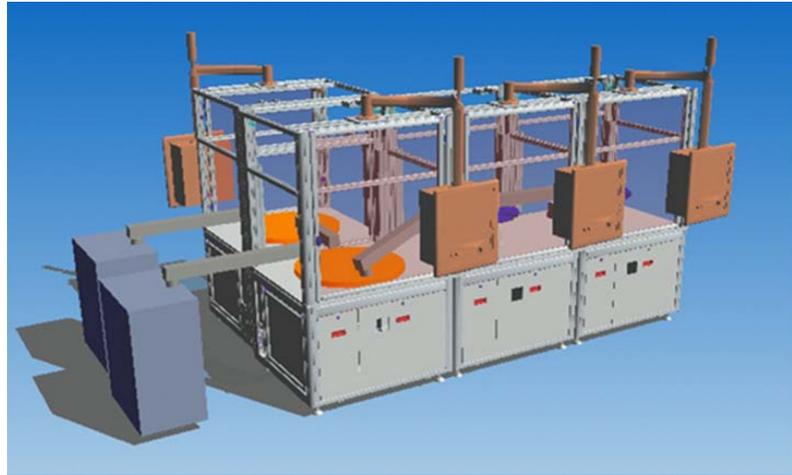
- Accelerate bidding, production and implementation of complex assembly system
- Increase competitive edge
- Build re-usable simulation model library from existing CAD data
- Benchmark simulation systems to find the perfect fit

### BENEFITS ACHIEVED:

- Evaluate quickly system performance
- Produce business bids quickly and accurately
- Speed up order to development process

### Simulate highly modular assembly system

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



*Visual Components simulation model of the modular assembly system*

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.

### Re-use existing CAD data

"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."

**Customer:**

Sitec Industrietechnologie

**Location:**

Chemnitz, Germany

**Expertise:**

- modular assembly systems for the automotive industry

**Internet:**[www.sitec-chemnitz.de](http://www.sitec-chemnitz.de)

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.

## Visual Components scored highest in benchmark study

VC's software 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 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 products 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.



*Original assembly cell*