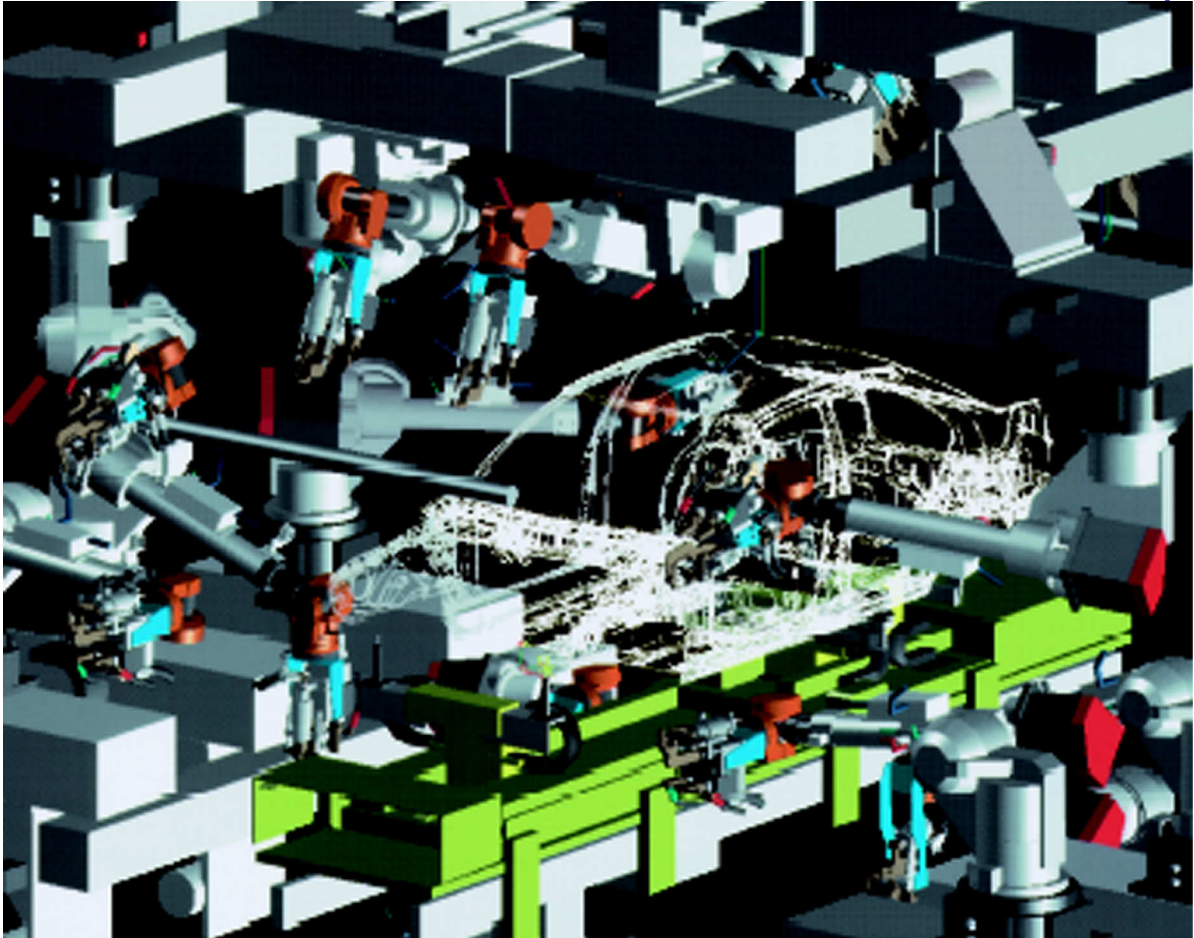


# CimStation Robotics

News Update 2



## Robot simulation drives PSA precision manufacture

Simulation in the engineering process plays a vital part in automotive manufacturer PSA's determination to design and build vehicles to a high degree of precision. Indeed, the company has been very forward-looking in its use of robots to automate procedures, wherever possible. In 2003 PSA is planning to continue to use CimStation Robotics to assist with its simulation work.



CimStation Robotics has been used for both standard and specialist robots for welding and pressing applications. PSA also approves CimStation Robotics for its sub-suppliers to help with their own simulations and off-line programming. As a result many of the sub-suppliers are achieving very productive results with CimStation Robotics.

According to Jean-Michel Faivre, PSA's, Process CAD/CAM/CAE manager, "We use CimStation Robotics as one of our robotic simulation packages, and find the system well-designed and easy to work with."

### CimStation Robotics Developments

For many years CimStation Robotics [CSR] has been seen as the leading robotics simulation software package. Now that the responsibility for the continued development has been taken over by Applied Computing & Engineering, we are keen to ensure this tradition continues as a new development programme is produced.

In tests against other simulation systems, CSR is always seen as very fast to work with and can accommodate several active robots on screen at the same time. Moving between robots is intuitive, rather than by protracted mouse-clicks. Users who have to work with CSR and other systems during projects, comment consistently on the flexibility and speed of CSR. For visualisations and animations CSR is hard to compete with.

Forthcoming developments are strongly influenced by customer ideas with the aim of introducing new functionality whilst improving operational performance. An early priority is to ensure that CSR's robustness and ease of use are maximised. In addition, all the direct interfaces: PTC;SDRC;UG;CADDs and Catia and indirect interfaces: IGES ; STEP and other, are under a programme of continual enhancement.

# Automotive Tier 1 - the challenge ahead....

Changing demands of the major automotive manufacturers inevitably affect their suppliers. The most immediate group is Tier 1 suppliers capable of taking on major projects from design through to manufacture and production. Often these projects demand the use of robots, which is where simulation can be used to maximum effect.



Robotic simulation systems have to be flexible, reflecting the fact that most Tier 1 suppliers work for more than one manufacturer and will need to import data from several CAD systems such as Catia, SDRC, UG and PTC, as well as CADDs, IGES and STEP. Moreover, the systems have to be quick and easy to use as well as providing a fast interface. For speed, it is also important that modules can all be accessed without the need to exit one module to enter another.

Manipulating data effectively is the true test of simulation software. For example, how many robots can be simulated, simultaneously, whilst retaining good movement on the screen? Also, with the increasing power of the PC, a version for this platform is now essential. Finally, an extensive robot library must be available, with accurate collision detection and RRS capability.

In describing the ideal robotic simulation software, it won't surprise you that the well informed Tier 1 supplier uses the power of CimStation Robotics wherever they can. Its visual performance is outstanding, includes many features not available with other systems, and at a lower cost. To test this for yourself, let us propose a brief evaluation of CimStation Robotics; simply complete the response slip or e-mail [sales@acel.co.uk](mailto:sales@acel.co.uk).

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## Cimstation Robotics now available across Europe!

We are pleased to announce that the team of sales and support staff for CSR is increasing across Europe. Towards the end of 2002 German, Austrian and Swiss distributors have been appointed to assist local customers. This year, a partner company from the UK has asked to distribute CSR to certain key automotive sectors. In Spain and Portugal a further distribution channel has been established to satisfy the markets within that territory. In each case dedicated sales and support staff are involved, many already with CSR knowledge and experience.

### **Austria and Switzerland**

Managed by SOFTServe  
Contact : Thomas Kuhn +49 3633 459868

### **Germany**

Managed by SOFTServe from Frankfurt  
Contact : Ludwig Reuscher +49 617 175395

### **Existing contacts include:**

Applied Computing & Engineering HQ  
Applied Computing & Engineering France  
Applied Computing & Engineering US

### **Spain and Portugal**

Managed by Promaut from Barcelona  
Contact : Manuel Nesweda +34 932 600370

### **UK**

Managed by Computec-Systems  
Contact : Jack Thomas +44 1452 724488

Contact : Stewart Allinson +44 1925 830085  
Contact : Wilfrid Baroche +33 146 495866  
Contact : Rick Guptil 001 408 445 9628

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We would like to invite you to test CimStation Robotics against your current simulation software. For a free evaluation of CimStation Robotics please complete the following and fax to AC&E at +44 (0)1925 826460.

Name .....  
Company.....  
Address.....  
.....  
Tel.....  
e-mail.....

If you need urgent assistance with robot simulation please call us on +44 (0)1925 830085.



**APPLIED COMPUTING  
& ENGINEERING LIMITED**  
*Design & Manufacturing Simulation*

## **BREAKING NEWS...**

### **Nissan Barcelona Chooses CimStation Robotics**

Leading car manufacturer Nissan has chosen CimStation Robotics for its Barcelona production facility. This is the third region to adopt CSR alongside Japan and its UK operation.