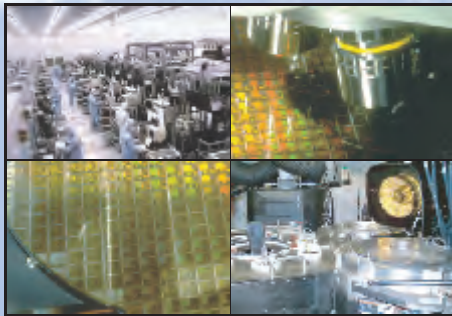


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# forum 2005

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## Automation in Production



Akademie  
Schloss Hohenkammer  
Germany

October 17, 2005

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### *Participants*

The forum is intended for project and production managers as well as IT representatives who are involved in process, quality and production data collection and analysis.

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### *Objectives*

Based on the currently available software technologies – client-server architecture, relational database management systems, Intranet or Web – the participants will get a short and clear representation of the breadth of possibilities offered today. In addition, participants can exchange their experiences.

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### *Buffet Lunch*

We invite all forum participants to a buffet lunch.

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### *Showroom*

During and after the lectures we are presenting our Line-Works products at prepared demo stands. You can participate in a discussion with our software developers and discuss the issues presented in the forum with the speakers after the end of the lectures. Especially, we want to hear your individual questions and issues concerning the integration into your existing IT environment.

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### *Informal Discussion*

After the forum we offer further informal discussions with our camLine developer team.

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### *Conference Date*

October 17, 2005

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### *Venue*

Akademie Schloss Hohenkammer  
Schlossstr. 20  
85411 Hohenkammer, Germany  
Phone +49-8137-934-0  
For the route, see [www.schlosshohenkammer.de](http://www.schlosshohenkammer.de)

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### *Contact*

camLine Datensysteme GmbH  
Jetzendorfer Strasse 6  
85238 Petershausen, Germany  
Phone +49-8137-935-0

9.30	<i>Reception and Coffee</i>		
10.00	<i>Welcome</i> camLine overview New products and product versions Future product strategies		
10.30	<i>Part Average Analysis (PAA) – A statistical Method to avoid abnormal Parts being shipped to Customers</i> PAA (Part Average Analysis) or PAT (Part Average Test) today is a prerequisite for electronic or semiconductor manufacturers to be a vendor for the automotive industry. The higher complexity of technical systems unavoidably increases the quality standards of the used components, modules and subassemblies. The Part Average Analysis (PAA) is a software-based approach to effectively improve the availability and reliability of technical functions. With PAA you can find abnormalities of the measurement values during the production process. These abnormalities are a reliable indicator for latent defects. Parts showing a high risk of failure are rejected and not delivered to the customer. The presentation gives an outline about PAA inside a high volume electronic production of Continental TEMIC. Thomas Boos, Project Manager, Continental TEMIC, Ingolstadt	<i>Integrated Use of LineWorks ECoFrame with MES Promis to achieve Equipment Automation</i> International Rectifier is leveraging the combined use of camLine LineWorks ECoFrame with the Promis MES to implement equipment automation with a unified operator station in their 6" and 8" factories based in Newport UK. This presentation covers International Rectifier's technical approach and lessons learned during installation, configuration, deployment and training in and across the two fabs. At a functional level, it highlights the advantages of automation and the benefits already realised by International Rectifier. Andy Naylor, CIM Engineer, International Rectifier, UK	14.00
11.00	<i>Coffee Break</i>	<i>Coffee Break</i>	14.45
11.30	<i>Enhancing Chartered's Quality and Reliability Assurance Programs with LineWorks SPACE and iGate</i> »Quality as a Way of Life« and »Operational & Service Excellence with Benchmark Cost« are key areas of focus for Chartered. As such, the Quality and Reliability Assurance (QRA) group embarked on a journey to enhance the operational effectiveness and efficiency of the company's quality systems through business process re-engineering and automation. camLine's suite of products was used in several automation projects, ranging from quality control of incoming materials to quality control of outgoing finished wafers. The presentation covers Chartered's QRA systems objectives, competitive advantages and architecture framework, and a case study on %OOC reduction using iGate. Jennifer Teong Director, Mfg QA II (12"), Lee Koong Leng (KL Lee) Manager, Fab 7 QRA SPC, Tok Soon Chen Manager, IT – eBiz, Chartered Semiconductor, Singapore	<i>Radio Frequency Identification (RFID)</i> RFID in combination with Electronic Product Codes (EPC) creates new opportunities to automatically and uniquely identify objects. The presentation will point out the meaning of RFID and the technology standards that are already available. Business benefits and a practical approach to RFID are demonstrated with the help of examples and customer success stories. Marian Kuffner, Software Architect, Sun Microsystems	15.15
12.30	<i>Lunch</i>	<i>Informal Discussion and Conclusion</i>	16.00
		<i>Showroom</i> <i>During and after the lectures the following demos are available:</i> <i>A web based operator GUI of our customer PARI is shown, dealing with the camLine MES based on LineWorks WIP.</i> <i>With LineWorks PULSE, we show how to model pick&amp;place machines to increase throughput.</i> <i>The new LineWorks SO is shown, providing a solution for building operator GUIs based on Java and Eclipse. With LineWorks ECoFrame, fully automated equipment control can be achieved.</i> <i>An approach of RFID is shown together with our partner ODEVIS.</i> <i>Our partner iCADA shows a Reticle Management system. The tracking of the entire reticle life cycle provides inspection triggering, analysis, mask house interface and stocker automation.</i> <i>Our partner BLUELINE shows a engineering data analysis system for process and measurement data.</i> <i>The camLine product line LineWorks is shown, with the products LineWorks SPACE 5.0, the upcoming new LineWorks RM 4, the new release of the Web reporting tool iGate and our MES solution based on LineWorks WIP.</i>	

# forum 2005

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## Registration Form

Please fill in the form in block letters completely (one form per participant) and send it to camLine Datensysteme GmbH:

**Fax: +49-8137-935-235**

Last registration date is October 10, 2005.

*I wish to participate at the forum 2005*

**Automation in Production**

**on October 17, 2005.**

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Name

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Position

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Department

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Company

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Address

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Phone

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Fax

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Email

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Date, Signature