

## *forum 2006*

---

### *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.

---

### *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.

---

### *Buffet Lunch*

We invite all forum participants to a buffet lunch.

---

### *Showroom*

During and after the lectures we are presenting our LineWorks 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.

---

### *Informal Discussion*

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

---

### *Conference Date*

October 17, 2006

---

### *Venue*

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

---

### *Contact*

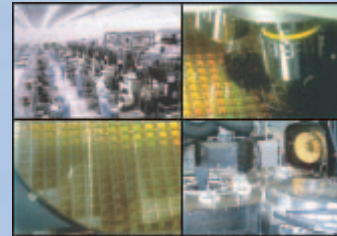
camLine GmbH  
Jetzendorfer Strasse 6  
85238 Petershausen, Germany  
Phone +49-8137-935-0

---

# *forum 2006*

---

## Automation in Production



Akademie  
Schloss Hohenkammer  
Germany

October 17, 2006

camLine

[www.camline.com](http://www.camline.com)

camLine

9.30 *Reception and Coffee*10.00 *Welcome*

camLine overview  
New products and product versions  
Future product strategies

10.30 *A Practical Approach to SPACE 5*

ZMD has been using SPACE since 2001. At the beginning data collections were simple and could be sent to SPACE using the SPISE web front end. With higher equipment automation and integration the user requirements are becoming more complex and still challenge the SPC system. Today the latest SPACE version *bella vista* is used to fulfill the philosophy "work smart, not hard".

The presentation concentrates on use cases of the new features of SPACE 5. This includes shuttle actions (call of external programs) to analyse overlay and CD data. In addition normalized charts during etch process are demonstrated and an example of multi variant charts together with ACO and flexible labelling of axis is shown.

Dr. Matthias Hänisch, SPC Coordinator, ZMD AG, Dresden

11.00 *Managing Your Reticles*

Rising complexity and density of device designs result in a tremendous increase of reticle inventory costs. Due to advanced RET solutions, reticle acquisition time and prices, as well the data volume to be managed, increase significantly.

An intelligent and fully automated reticle life cycle management is crucial to meet today's target quality and production goals at reasonable cost.

This presentation draws on many years of experience in reticle management and gives an overview of the daily challenges and solutions.

Jochen Gruhn, iCADA, Ludwigshafen

11.30 *Development of a Custom MES Operator Interface Using camLine's LineWorks SO and Eclipse framework*

Introducing a MES system into production requires an operator GUI that completely meets all requirements such as intuitive navigation, context sensitive actions and seamless integration. Therefore it's important to be able to adapt the operator interface during product integration. The GUI was developed using camLine's SO and the Eclipse framework. In addition own plugins with features like label printing, floppy disk copy, context sensitive dialog boxes etc. were generated.

This presentation shows the experiences we made during the development phase, lists the requirements and present parts of our solution.

Jochen Hinderberger, IT, Dialog Semiconductor GmbH, Nabern

*Linux as Server Operating System in Production - Experiences in Migration and Operation*

In 2000 ZMD installed the CIM system based on LineWorks at Dresden manufacturing site. Since then the number of quality and process data increased dramatically and the limits of the existing server platform were reached.

ZMD met the challenge and renewed the server platform completely. The whole architecture changed, the data base version was upgraded and Linux was employed as operating system.

The requirements were: highest availability, performance, and scalability. A particular importance is given to a dynamic load balancing within the CAPS architecture.

The lecture illustrates the technical approach including its advantages, as well as the migration process with all its challenges and the experiences from the first months of production.

Veit Demel, IT Coordinator Fab, ZMD AG, Dresden

*BlueKaizen Advanced SPC Option for SPACE*

Most current SPC implementations reach their limits by only using normal distribution models and ignoring any existing spatial variation on the surface of wafers. The output parameters of metrology tools do contain the information required to overcome these limitations. Therefore, new modelling tools are required to exploit this additional raw information.

MASA and camLine have joined their efforts to improve current SPC practices by integrating MASA BlueKaizen WaferFit and BlueKaizen WaferProfile into SPACE, camLine's leading edge product. Using a standard metrology data sample, BlueKaizen WaferFit and WaferProfile collaborate to construct virtual shape-based SPC indicators (mean, range, deviation) and compute a multivariate out-of-population model, which assigns an abnormality score to the new combination of shape indicators.

The presentation shows the technical justification and gives some implementation details on what will soon be a very valuable option for SPACE.

Jérôme Kodjabachian, MASA Group, Paris

*Fab Monitoring with LineWorks iGate*

The presented reporting gives a central access to your production data coming from a high level view point such as a fab monitor, an overview of logistic information or from your quality data.

Starting at this high level view point you drill down to more detailed information, regardless where the data is stored. By building cross references between your data and using the dashboard capabilities you get fast access to your preferred or frequently used information.

The presented solution uses a CIM system based on the LineWorks modules. A look into your legacy systems can be implemented using the same methods.

Bernhard Jofer, Vice President, camLine GmbH, Petershausen

12.00 *Lunch**Final Discussion*

14.00

14.30

15.15

16.00



## Registration Form

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

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

Last registration date is October 12, 2006.

*I wish to participate at the forum 2006*

***Automation in Production***

***on October 17, 2006.***

---

Name

---

Position

---

Department

---

Company

---

Address

---

---

---

Phone

---

Fax

---

Email

---

Date, Signature