



DIE AKADEMIE  
FRESENIUS

2<sup>nd</sup> International Fresenius Conference for the Beverage Industry

# TRENDS IN FILLING TECHNOLOGY

10 to 11 November 2008  
Nürnberg/Germany

## HIGHLIGHTS:

- Market overview – new technologies for sensitive products
- The global market for beverage packaging: trends, innovation and challenges
- Experience with aseptic filling technology: practice reports
- Optimisation of existing filling plants: chances and limits of line tuning
- New or used? Decision criteria for the purchase of PET equipment
- Airtight arrangement of purchase contracts for filling plants
- Energy and resource management: ways to control operating costs



## THE SPEAKERS:

**Kevin Baker** Canadean | **Axel Below** GloCon | **Michael M. Braitingner** SCB Experts & Consultants | **Dr. Claudius Dechamps** Waldeck Lawyers | **Alexander Diehm** Mineralbrunnen Überkingen-Teinach | **Rolf Gänz** Atlantic C | **Dr. Wolfgang Glebe** Project Management International | **Manfred Haider** Haipac | **Prof. Dr. Bernd Lindemann** University of Applied Sciences Wiesbaden-Geisenheim | **Louis Merienne** Sidel | **Manfred Michl** KHS | **Birte Ostwald** ttz Bremerhaven | **Marinko Plestina** Jamnica | **Dr. Winfried Ruß** Technical University of Munich | **Gunther Schmid** SGS Institut Fresenius | **Peter Wagner** Brasserie Bofferding | **Andreas Wilken** SGS Institut Fresenius | **Christian Zimmerer** Krones

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SGS

# THE PROGRAMME

## Monday, 10 November 2008

13.00 Refreshments and distribution of the conference materials

13.30 **Welcoming speech by the organizers and the chairman**

**Prof. Dr. Bernd Lindemann**, University of Applied Sciences Wiesbaden-Geisenheim, Germany

### Market developments

13.40 **The Global Market for Beverage Packaging: Trends, Innovation and Challenges**

**Kevin Baker**, Canadean, Great Britain

14.10 **Modern filling systems for plastic bottles**

**Manfred Michl**, KHS, Germany

14.40 **Technical innovations for Bottling Applications**

- Integrated technology concept of oxygen-free bottling
- Filling valves – new tech development
- Multi-systems for glass, PET and multi capper systems
- Quick operation: product and format changeovers

**Rolf Gänz**, Atlantic C/Bertolaso, Germany/Italy

15.10 Panel Discussion

15.30 Coffee Break

### New or used? – purchase decisions and recommendations

16.00 **Investment in PET equipment – new or used?**

**Axel Below**, GloCon Technical Supplies & Trading, Germany

16.30 **Decision criteria for the construction of a complex new filling area – practice report**

**Peter Wagner**, Brasserie Bofferding, Luxembourg

17.00 **Key Points of Contracts on New and Used Equipment**

- Specifications / Definition of contract products
- Delivery / Installation / Commissioning
- Remedies in case of late performance
- Acceptance
- Claims in the event of non conforming contract products / defects; liability

**Dr. Claudius Dechamps**, Waldeck Lawyers, Germany

17.40 Panel Discussion

18.00 End of the First Conference Day

18.15 Departure for the Evening Event



After the first conference day has ended, we would like to invite you to a leisurely evening event in Nürnberg's Old Town. We will just walk a few steps down into the cellar vault of one of Nürnberg's most popular restaurants – and find ourselves in medieval times. Enjoy a medieval banquet and seize the opportunity for informal talks and contacts.

## Tuesday, 11 November 2008

**Chairman:**

**Michael M. Braitingner**, SCB Experts & Consultants, Germany

### Experience with aseptic filling technology

9.00 **Design, implementation and validation of an aseptic filling plant**

- Technical requirements and purchase criteria
- Why this line and not another?
- Implementation and validation of the line

**Alexander Diehm**, Mineralbrunnen Überkingen-Teinach, Germany

9.30 **Aseptic experience in Jana – Croatia**

- Aseptic condition
- Aseptic production
- Aseptic control

**Marinko Plestina**, Jamnica, Croatia

10.00 **Microbiological problem cases in the beverage industry: conclusions drawn from cause studies**

**Andreas Wilken**, SGS Institut Fresenius, Germany

10.30 Panel Discussion

10.50 Coffee Break

### Cost and energy management

11.20 **Thermal energy supply – options and challenges**

- Necessity to save energy
- Biomass as alternative
- Enhancement of energy efficiency by combination of processes
- Energy management as tool to save energy

**Dr. Winfried Ruß**, Technical University of Munich, Germany

#### 11.50 **Process Water Management**

- Recycling of process water to reuseable drinking water
- Short-term return on investment

**Gunther Schmid**, SGS Institut Fresenius, Germany

#### 12.20 **Ozonecip – Ozone as an Alternative Sanitizing Agent for Cleaning and Disinfection in the Food Industry**

**Birte Ostwald**, ttz Bremerhaven, Germany

12.50 Panel Discussion

13.10 Lunch

## Line tuning: Optimisation of existing plants

#### 14.10 **Optimisation of bottling and packaging plants by means of weak point analysis, especially PET lines**

- Line analysis
- Registration of costs
- Production planning
- Formation of operators
- Planning of installation

**Manfred Haider**, Haipac, Germany

#### 14.40 **Line tuning methods for the analysis and optimisation of beverage filling lines**

- Performance influencing factors
- Analysis modules
- Summary report
- Benefits

**Christian Zimmerer**, Kronos, Germany

15.10 Panel Discussion

15.30 Coffee Break

#### 15.50 **Line renewal investment planning and optimizing through line audits**

- Line audit to diagnose line weaknesses
- Simulation of lines to estimate benefits of modification
- Balancing the technical recommendations with costs
- Tools and methods to control line efficiency evolution

**Louis Merienne**, Sidel, France

#### 16.20 **Engineering and Project Management in the beverage industry**

- Engineering tasks
  - Project management and project steps
  - Manufacturing, installation, start-up and final testing
- Dr. Wolfgang Glebe**, Project Management International, France

16.50 Panel Discussion and Conference Summary by the Chairman

Approx. 17.10

End of Conference

## THE EXPERTS

**Kevin Baker** joined Canadean in 1996 and is responsible for the marketing and development of the Beer, Wines & Spirits Services. Before joining Canadean he spent over 10 years working for Guinness in a number of research and information related roles.



**Axel Below** founded GloCon in 1994 and is owner and managing director of the company that has its focus on new and used PET equipment.



**Michael M. Braitinger** is a court appointed expert witness for the validation and inspection of production plants in the food and beverage industry. He runs his own business with SCB in Hamburg, Germany.



**Dr. Claudius Dechamps** is partner of the law firm Waldeck Lawyers in Frankfurt, Germany. The counselling of his clients in highly complex technical projects is one of his working focuses.



# THE EXPERTS

**Alexander Diehm** is a graduate brewer and technical business management specialist. At Mineralbrunnen Überkingen-Teinach, one of Germany's leading mineral water bottling companies and juice producers, he is technical director of the plant at Kißlegg.



**Rolf Gänz** founded Atlantic C in 1991. The company plans, conceives and optimizes production lines, specializing in the beverage industry.



**Dr. Wolfgang Glebe** worked for more than 10 years in the engineering services with Sidel. Since 2006 he is an independant engineer offering services in engineering and international project management.



**Manfred Haider** is an expert in bottling and packaging lines. He has 20 years of experience in sales and project management of bottling and packaging lines of breweries and soft drinks companies, distilleries and mineral water bottling companies.



**Prof. Dr. Bernd Lindemann** holds a professorship in Beverage Technology at the University of Applied Sciences at Wiesbaden-Geisenheim. His activities focus on Quality Management, Design and Commissioning of filling plants, Hygienic Design and Product Development.



**Louis Merienne** is in charge to develop inside the Product Management Team of Sidel, France, all aspects linked to improvement of line performances in terms of operation training, line efficiency audit, line design and simulation, noise reduction and sustainability.



**Manfred Michl** works in the central production support of KHS at Bad Kreuznach, Germany.

**Birte Ostwald** studied Industrial Engineering and Management at the University of Bremen with a main focus on environmental bioengineering and production logistics. She is working at ttz Bremerhaven since June 2008.



**Marinko Plestina** is a graduate food and biotechnologist. He started his career at Jamnica in Croatia in 1997. There, he has been responsible for the mineral water, fruit juices and nectars production as well as for Jamnica's aseptic production. Since 2006 he is Director of Production and Member of Headquarters.



**Dr. Winfried Ruß** teaches as an assistant professor at the Technical University of Munich, Germany. He is Provisional head of the "Chair for Fluid Mechanics and Process Automation" and one of his research topics is the energetic optimisation of food plants.



**Gunther Schmid** works as Consultant Beverages at SGS Institut Fresenius in Taunusstein, Germany.



**Peter Wagner** is Technical Director of the Bofferding Brewery in the Grand Duchy of Luxembourg. Bofferding has recently made the most important investment in the company's history: A new bottling building and two new filling lines.



**Andreas Wilken** is a biologist and works as Consultant Beverages at SGS Institut Fresenius GmbH in Taunusstein, Germany.



**Christian Zimmerer** started his career at Krones in 1991 where he has been working in different departments and responsibilities. Since 2000 he is Vice President for Lifecycle Service Sales global.



## WHOM DO YOU MEET AT THE CONFERENCE?

**Members of the Management Board, Managing Directors, Technical Directors, Quality Managers, Managers Quality Assurance from:**

- Mineral water production
- Juice production
- Soft drinks production
- Dairy industry
- Breweries

**Representatives from the supply industry:**

- Plant construction
- Packaging and caps production
- Laboratories and Quality Assurance
- Consultancies

## THE ORGANIZERS:

Increasingly complex demands are being placed on the production of beverages. Dynamically changing consumer needs, legislative dictates, growing cost and competitive pressure necessitate forward-looking product development and high-level, flexible, efficient quality assurance. SGS INSTITUT FRESENIUS offers its customers a comprehensive service portfolio from a single source: from concept development, planning and consulting services, sampling logistics, analysis to troubleshooting. The expertise and years of experience make SGS INSTITUT FRESENIUS a full-service provider for the entire beverage industry.

**[www.institut-fresenius.de](http://www.institut-fresenius.de)**

AKADEMIE FRESENIUS is a joint venture of SGS Institut Fresenius GmbH and Cognos AG, one of the leading private educational institutes in Germany. AKADEMIE FRESENIUS organises national and international conferences and congresses on current topics from the economic and scientific sectors for both specialists and the industry. You can find details on upcoming and new events at

**[www.akademie-fresenius.de](http://www.akademie-fresenius.de)**

## Sponsoring and Exhibition

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# REGISTRATION

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2<sup>nd</sup> International Fresenius Conference for the Beverage Industry

„Trends in Filling Technology“

10 to 11 November 2008 in Nürnberg/Germany



DIE AKADEMIE  
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## HOW TO REGISTER

### By web

[www.akademie-fresenius.de/1898](http://www.akademie-fresenius.de/1898)

### By email

[mstratmann@akademie-fresenius.de](mailto:mstratmann@akademie-fresenius.de)

### By fax

+49 231 75896-53

### By mail

Die Akademie Fresenius GmbH  
Alter Hellweg 46, 44379 Dortmund, Germany

If you have any questions **regarding the organisation** please contact:



Monika Stratmann  
Event Organisation  
Phone: +49 231 75896-48  
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If you have any questions **regarding the programme** please contact:



Anja Staudenmaier  
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Phone: +49 231 75896-54  
Email: [astaudenmaier@akademie-fresenius.de](mailto:astaudenmaier@akademie-fresenius.de)

## PARTICIPATION

- Yes!** I would like to take part in the 2<sup>nd</sup> International Fresenius Conference „Trends in Filling Technology“, 10 to 11 November 2008 in Nürnberg/Germany. Fee: € 1,295.00 plus VAT per person. Event number: VK1898

I would like to take part in the **evening event on 10 November 2008** (included in the above price).

- Yes  No

## CONFERENCE DOCUMENTATION

- No!** Unfortunately, I am unable to attend. Please send me the complete conference documentation for € 295.00 plus VAT (hard copy and electronic version).

## EXHIBITION AND SPONSORING

- Yes!** Please send me information on **exhibition and sponsoring possibilities** during the event.

My Account Number is (if available): \_\_\_\_\_

Title, first name, name \_\_\_\_\_

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Company \_\_\_\_\_

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Street, number / P.O.-Box \_\_\_\_\_

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## TERMS OF PARTICIPATION AND PURCHASE:

The registration fee includes the **conference participation, complete conference documentation, lunch, coffee breaks, conference beverages** as well as the evening event on 10 November 2008. You will receive written confirmation of your registration. Upon receiving our invoice, please transfer the amount due without further deductions before the conference begins.

The price of the conference documentation includes a hard copy of the documentation as well an access code to the secure Akademie Fresenius download area where you can download the complete conference documentation, including any subsequent updates, in electronic form – subject to the approval of the respective speakers. Both the documents and the secure access code will be dispatched around two weeks after the event and as soon as advance payment has been received.

## GROUP REDUCTIONS:

For joint bookings received from one company we grant a **15% discount** from the third participant onwards.

## NO-RISK BOOKING:

**Written cancellations or transfers will be accepted free of charge** up to four weeks prior to the start of the event. After this date and up to a week prior to the start of the event we will reimburse 50 % of the registration fee. We cannot, unfortunately, provide refunds for later cancellations. **Please note that you can name a substitute free of charge at any time.**

## GENERAL TERMS AND CONDITIONS

By registering, you agree to our **General Terms and Conditions** as well as to our **Privacy Policy**. You can find our General Terms and Conditions on the internet ([www.akademie-fresenius.de/agnb](http://www.akademie-fresenius.de/agnb)) or receive them on request.

## PERSONAL DATA

The Akademie Fresenius will keep your personal data for the purpose of organising this event. We will under no circumstances use your data for commercial trade purposes.

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## VENUE

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