

## About MPDV

MPDV Campus, a division of MPDV Mikrolab, is a consultancy providing seminars and workshops on efficiency in modern manufacturing. For over 30 years, MPDV Mikrolab has been a leading international system provider specializing in capturing and processing data originating in the areas of production, human resources and quality. MPDV employs more than 160 highly-skilled professionals worldwide at ten locations in Germany,



Switzerland, France, Singapore and the USA. In addition to proven methodologies and concepts, MPDV Campus also develops new tools such as the Manufacturing Scorecard. The Manufacturing Scorecard is a method to achieve transparency and efficient economic processes through quick reaction to current production events and the systematic reduction of waste. The results are shorter lead times, increased productivity, improved delivery reliability, fewer defects and scrap, greater employee motivation as well as more flexibility within the manufacturing environment. In addition to advisory services geared towards manufacturing companies, MPDV Campus also offers public seminars and workshops presenting their approaches, methods and tools to medium-sized companies as well as international industrial groups.

## Presenter



**Jochen Schumacher**, Manager MPDV Campus, studied Electrical Engineering and Business Administration. He currently leads the consultancy group of MPDV Campus. Mr. Schumacher is author of numerous articles published in leading manufacturing and IT publications.

## Registration

You can register for the seminar by sending an email to [info@mpdv-usa.com](mailto:info@mpdv-usa.com) or by completing the registration form and faxing it to 630-214-0025 or mailing it to the address listed. Registrations are accepted in the order of receipt. Please note that space is limited to 20 participants. Confirmation of registration will be provided along with an invoice and directions.

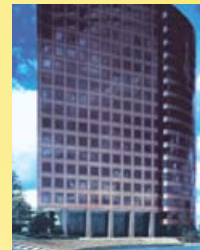
## Participation fees

The seminar fee is \$250 per person and includes the informative book: Manufacturing Execution System – MES (a \$90 value). Continental breakfast is also included. Additional attendees from the same company will receive a 30 % discount on the registration fee. Fees are due prior to the day of the seminar. If written cancellation is received at least one week before the seminar date, 100 % of the fee will be refunded. If notification is received less than one week before the seminar date, or in case of non-attendance, the full amount will be due. If we have to cancel the event we will inform you as early as possible and immediately refund any registration fees received.

## Contact

If you have any questions about the seminar at the Doubletree Hotel in Rosemont, IL. please contact:

MPDV USA Inc.  
Frank M. Fischer  
General Manager  
One Lincoln Centre  
18 W. 140 Butterfield Rd., 15th Fl.  
Oakbrook Terrace, IL 60181  
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The Worldwide MPDV Group



## MPDV Campus – A Practical Seminar

# Adding Value Without Waste



## New Methods for

## Achieving Manufacturing Efficiency

Systematic development  
of hidden process potentials

October 21, 2008 - Rosemont, IL

## Managerial approach

### Concept

Economic efficiency in modern manufacturing is realized not through products but through processes and can be increased by improving those processes rather than by improving technology. Relatively large improvement potentials can still be achieved in nearly any company, even those where cost-cutting programs and staff reductions have already been implemented. The central task of management today is to optimize process chains in order to turn as much unused process potential into revenue generating production as quickly as possible. Comprehensive transparency of all value-added processes is the key to developing process potential.

### Seminar objectives

Using practical examples, participants will learn about hidden process potentials within the manufacturing environment and how to use modern information technology to tap this potential. Specific emphasis will be placed on showing how a modern **Manufacturing Execution System (MES)** makes value-added processes transparent while at the same time efficiently supporting existing ERP or PPS systems.

### Target group

The seminar is intended for General Managers, Plant Managers, and those responsible for Production, Operations and IT.

## Publications

Key concepts of a bestseller written by MPDV President Dr. Juergen Kletti, will be discussed in the seminar.

Manufacturing Execution System-MES  
Berlin/Heidelberg 2007



## Seminar Contents

### Economic potentials of manufacturing companies

- The changing competitive environment
- The magic triangle: costs / time / quality
- Processes with and without adding value (waste)
- The most frequent causes of waste within production
- The unit cost trap
- Key figures for manufacturing efficiency

### Identification of the process potential

- The approach: Identifying waste through value stream mapping
- The key messages of value stream mapping
- Case studies: value stream mapping in different branches

### MES – The toolbox for process excellence

- Design and function of Manufacturing Execution Systems (MES)
- Paperless process transparency
- Automatic data collection for key figures
- Detailed planning
- Planned preventive maintenance
- Quality management
- Human resource management

### Capturing the process potential (case study)

- The case study: production of connectors (plastic injection moulding, punching and assembly)
- Step 1: Process transparency (waste, key figures, paperless)
- Step 2: Process stability (availability, performance, quality)
- Step 3: Short lead times (cycle efficiency, inventory, batch size, push vs. pull, consumption driven vs. order-related, production planning and scheduling)
- Step 4: Management by objectives (targets, target agreements, manufacturing scorecard, employee motivation)

## Agenda

8:30 – 9:00 a.m.	Registration and continental breakfast
9:00 – 9:45 a.m.	Economic potentials of manufacturing companies
9:45 – 10:30 a.m.	Identification of the process potential  Value Stream Mapping as basis (including case studies)
10:30 – 11:00 a.m.	Break
11:00 – 11:30 a.m.	<b>MES – The toolbox for process excellence</b>
11:30 – 12:30 p.m.	<b>Capturing the process potential (case study)</b>  Step 1: Process transparency  Step 2: Process stability  Step 3: Short lead times  Step 4: Management by objectives
12:30 – 1:00 p.m.	Discussion and answers to company specific questions
1:00 p.m.	Seminar ends



## Seminar Registration

Registration by E-Mail, Fax or Mail:

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18 W. 140 Butterfield Rd., 15th Fl.

Oakbrook Terrace, IL 60181

Phone: (630) 472-2400

Fax: (630) 214-0025

E-Mail: [info@mpdv-usa.com](mailto:info@mpdv-usa.com)

### Adding Value Without Waste – New Methods for Achieving Manufacturing Efficiency

October 21, 2008, Doubletree Hotel, Rosemont, IL

8:30 a.m. – 1:00 p.m.

Registration Deadline: 1 Week before seminar date

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Participant (Last Name / First Name)

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Title / Position

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Additional Participant(s) (Last Name / First Name)

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Title / Position

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Company

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Street (billing address)

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City / State

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Phone / Fax

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E-Mail

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Signature / Date