

## 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 result is 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 the MPDV Campus. Mr. Schumacher is the author of numerous articles appearing in leading manufacturing and IT trade 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 per seminar. 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 (morning seminars) or lunch (afternoon seminar) are 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 or need detailed information please contact:

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## MPDV Campus – A Practical Seminar

# Adding Value Without Waste



## New Methods for Achieving Manufacturing Efficiency

Systematic development  
of hidden process potentials

## 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

The following bestselling business books were written by MPDV. Key concepts in the books will be discussed in the seminar.

- MES-Manufacturing Execution System
- Manufacturing Scorecard (Gabler Verlag, 2004)



## Seminar Contents

### The Unit Cost Trap

- Costs beyond production.
- Unit costs and process costs.
- Limits of traditional cost systems.

### “Black Holes” Within Production

- The most frequent causes of waste within production.
- Unaccounted resource outflows.
- Waste resulting from using the wrong key figures.
- Six Sigma and losses of dispersion.
- Mistakes resulting from improper scheduling within the ERP system.
- Capturing process influences with MES: unplanned delays and wait times, downtimes, disturbance causes, material buffers, setup and processing times, etc.
- Identification of value drivers and control factors.

### The Hidden Factory

- Target values of modern manufacturing.
- Identification and quantification of profit potentials.
- Wasted collaboration: from the wrong wage systems (time wage, piecework) to profit-related work systems; integration of employees through objectives; right and wrong target values (OEE, rate of capacity utilization, etc.); Manufacturing Scorecard for permanent communication of objectives and employee self-determination.
- Waste within the organization: unplanned waste; learning from mistakes; support of KVP / KAIZEN, Six Sigma, etc.
- Waste within planned processes: the problem of deterministic lead-time control; from control to regulation; creation of local control loops; key performance indicators through lead-time efficiency (rate of capacity utilization, process index, capacity used, etc.).
- Waste within communications and IT: adding value without interfaces; central data storage with decentralized utilization; how to implement paperless manufacturing; synchronization of material and information flows; from push to pull.

## Agenda



### (Morning seminars – May 20 & 22)

8:30-9:00 a.m.	Registration and continental breakfast
9:00-9:30 a.m.	<b>The managerial approach</b> Company process potential
9:30-10:00 a.m.	<b>Manufacturing Execution Systems (MES)</b> – the toolbox for process excellence
10:00-10:30 a.m.	<b>Identification of process potential</b> Part 1: Waste within the organization
10:30-11:00 a.m.	Break
11:00-11:30 a.m.	Part 2: Waste in planned processes
11:30-12:00 p.m.	Part 3: Wasted collaboration
12:00-1:00 p.m.	Discussion and answers to company-specific questions
1:00 p.m.	Seminar ends

### (Afternoon seminar – May 21)

12:30-1:00 p.m.	Registration and Lunch
1:00-1:30 p.m.	<b>The managerial approach</b> Company process potential
1:30-2:00 p.m.	<b>Manufacturing Execution Systems (MES)</b> – the toolbox for process excellence
2:00-2:30 p.m.	<b>Identification of process potential</b> Part 1: Waste within the organization
2:30-3:00 p.m.	Break
3:00-3:30 p.m.	Part 2: Waste in planned processes
3:30-4:00 p.m.	Part 3: Wasted collaboration
4:00-5:00 p.m.	Discussion and answers to company-specific questions
5:00 p.m.	Seminar ends



## Seminar Registration

Registration by E-Mail, Fax or Mail:

MPDV USA, Inc.

One Lincoln Centre

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

- May 20, 2008 (Oakbrook Terrace, IL)  
9:00 a.m. – 1:00 p.m.
- May 21, 2008 (Oakbrook Terrace, IL)  
1:00 p.m. – 5:00 p.m.
- May 22, 2008 (Oakbrook Terrace, IL)  
9:00 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