

MTM- and EAWS-Practitioner and Instructor Lounge

MTM ASSOCIATION e.V.

MTM-Academy Online, 19.01.2021

MTM- and EAWS-Instructor and Practitioner Lounge

TOGETHER learned, TOGETHER in practice!

Moderators



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We are available for you!





MTM- and EAWS-Instructor and Practitioner Lounge

Lounge 2021
News & Facts
MTM Productivity Services Corporation
MTM Analyses
Discussion and other topics
Next event

Registration

Registration required







ents 📿 Trade Events / Fairs

19.01.2021 | MTM & EAWS PRACTICIONER AND INSTRUCTOR LOUNGE



The MTM ASSOCIATION and one of the MTM Partners answer questions about training contents, forms and alternatives to face-to-face training in companies.

MORE INFO | ADD TO CALENDAR

https://mtm.org/en/events

News and Facts





platform.dmtm.com

turns into

training.mtm.org

Your digital MTM certificate



approved by MTM ASSOCIATION

CERTIFICATE

born on February , in

has successfully completed MTM-1 Base E-Learning

Examination date: January 01, 2021

January 01, 2021

NTN

Finglebersc Examination Boa

Hulelon MTM ASSOCIATION

MTM ASSOCIATION e. V. Standards and Research, Elbchaussee 352, 22609 Hamburg, Germany, www.mtm.org

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Receive now by email

MTM IRAS SYSTEM

https://iras.mtm.org/



MTM IRAS System

Anmeldung

Bitte nutzen Sie für den Login Ihre Mailadresse anstatt des bisherigen Nutzerkürzels.

E-Mail	Passwort
Eingeloggt bleiben	
Anmelden	
Ich nabe mein Passwort vergessen Hier können Sie Zugangsdaten anfordern	

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MTM Productivity Services Corporation – MTM in USA

Training Courses in USA https://www.elo.iastate.edu/mtm/

Webinar



E-Learning

Partnership Iowa State University All trainings to become MTM- and EAWS Practitioner and Instructor

https://www.mtm-psc.com/

Classroom

Productivity Consulting



Opportunity Assessment

Opening presentation		Opportunities P	<mark>rocess</mark>	
Detailed introduction to MTM		Find and verify opport	ortunities for NVA	
and Human Work Design		reduction Report fi	ndings Calculate	
examples Plant tour		labor savings & peri	formance increase	
DAY 1	O DAY 2	O DAY 3	O DAY 4	Final presentation O
Process Observation		Opportunities	Ergo	
Select workstations Compare		Ergonomic studie	is and report	

production processes to best world practices

with MTM TiCon | Full scope project proposal

Scientific Approach

Use MTM Tools to Promote Ergonomic Safety, Value-Added Focus, and Optimized Profitability





Keys to Success:

- **Team Building**
- **New Process Development**
- **Implement and Sustain**

MTM Analyses

Phases of an MTM Analyses





МТМ

Phases of an MTM Analyses

Development Analysis (eHpV-Evaluation)

Simulation Analysis (Human simulation, MoCap) Planning Analysis (target process)

Production Analysis (actual process)

- Is the first release of an MTM analysis in a (quite) early phase of the product development.
- First in-sights in the readiness for assembly as well as ergonomic design aspects are presented.
- Is created based on the attributes of the parts/componetents and defines the lower time limit for the assembly process, which can not reduced by optimizing the assembly process. The assembly time is influenced by the parts (number and type of objects) and design features (number of positioning points, clearances, weight, positioning forces).
- Is based on the available general conditions of the process or the work system and created by planning tools or manually.
- Is elaborated and detailed step by step. The analysis is enhanced based on the design of the work system (e.g. by the distances resulting from the size of the work place)

Phases of an MTM Analyses



Development Analysis (eHpV-Evaluation) Simulation Analysis (Human simulation, MoCap) Planning Analysis (target process)

Production Analysis (actual process)

- Simulation Analysis are created by means of digital planning tools (Human Simulation, VR, MoCap,...).
- Thus they digitally describe the simulated process resp. observed individual motions (individual operator methods).
- They represent (freely interpreted): What you see (simulate, capture, observe) is what you get (describe)!
- The connection to real human work (performance) is established by translating the motions into an MTM analysis and therefore connecting the observation/simulation to MTM Norm Performance.
- Simulation Analysis must be formally approved by an MTM- or IE expert before being transfered into an Planning Analysis or Production Analysis.
- Thus ensures that the simulated process or the observed/captured motions (individual operator methods) are transferred to a well-defined, standardized work method (also called as tobemethod).

МТМ

Phases of an MTM Analyses

Development Analysis (eHpV-Evaluation) Simulation Analysis (Human simulation, MoCap) Planning Analysis (target process)

Production Analysis (actual process)

- Development of target processes without knowledge of the actual processes: this is the case when there are no actual processes that can be observed.
- Processes documented without information from actual processes are called Planning Analyses.

Target processes and work methods have to meet:

- ergonomic requirements, in particular they must be applicable and bearable and
- economic requirements, in particular they must stand for productive task fulfillment

Phases of an MTM Analyses



Development Analysis (eHpV-Evaluation) Simulation Analysis (Human simulation, MoCap) Planning Analysis (target process) Production Analysis (actual process)

- Development of target processes based on knowledge of the actual process: thus, individual operator methods must be observed.
- While target processes are being analyzed, work methods have to be documented.
- Process documents, which are based on the information from actual processes, are called Production Analyses.
- It is important to understand that in an MTM analysis, the approved work method is documented, not necessarily the individual operator method.

Ask your questions

One-MTM celebrates its birthday!

Next event: 16.02.2020 from 2pm to 3pm CET