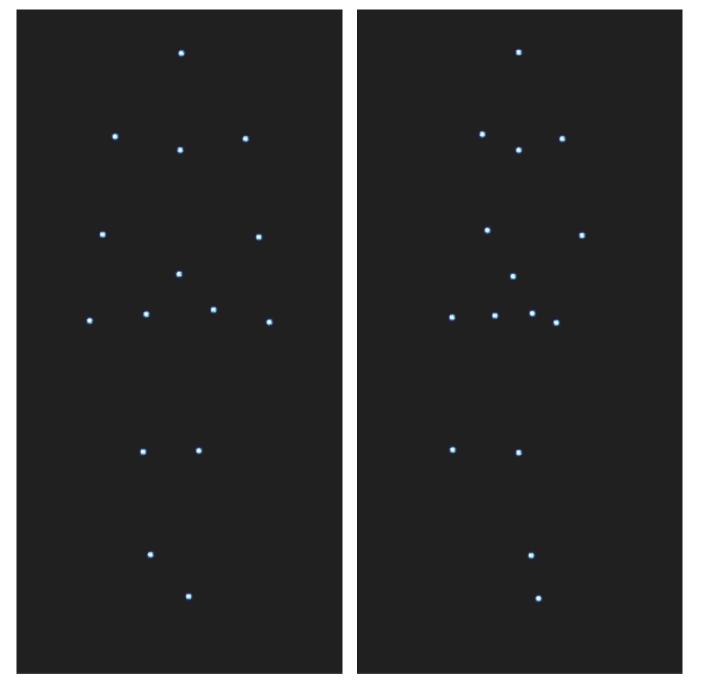


International MTM Standard – organizational and methodolocial perspectives

Prof. Dr. Peter Kuhlang, MTM ASSOCIATION, Hamburg, Germany

Head of MTM Institute

Berlin, 5. September 2020







Introduction



Peter Kuhlang ao. Univ.-Prof. Dipl.-Ing. Dr. techn.



MTM ASSOCIATION e. V., Head of MTM Institute
Deutsche MTM-Gesellschaft mbH, Managing Director





At a Glance

- Industrial Engineer (Venia docendi from Vienna University of Technology)
- 1988 first contact with IE/MTM
- Responsible for methodological research and development MTM globally
- President of global MTM activities
- ... with due humility and respect I will take over the overall responsability for MTM globally as CEO of MTM ASSOCIATION e. V. from 1. January 2021

Two aspects of MTM (Methods-Time Measurement)



MTM process language

- Integral description, quantification and design of human (manual) work (labor)
- Fundament to calculate ressources
- Globally accepted and approved performance and education standard

MTM norm (standard) performance is accepted globally and appreciated by social partners!



Assignment of not-for-profit industrial association

- Dissemination and R&D for MTM
- Globally uniform trainings and certificates

MTM ASSOCIATION e. V.

Training, software, consulting, research from a single source!



Facts and figures: MTM ASSOCIATION e. V.

240

member companies from A like Airbus to Z like Zollner

4.000

MTM certificates per year (class room and E-Learning)

200

works agreements for method application and salary

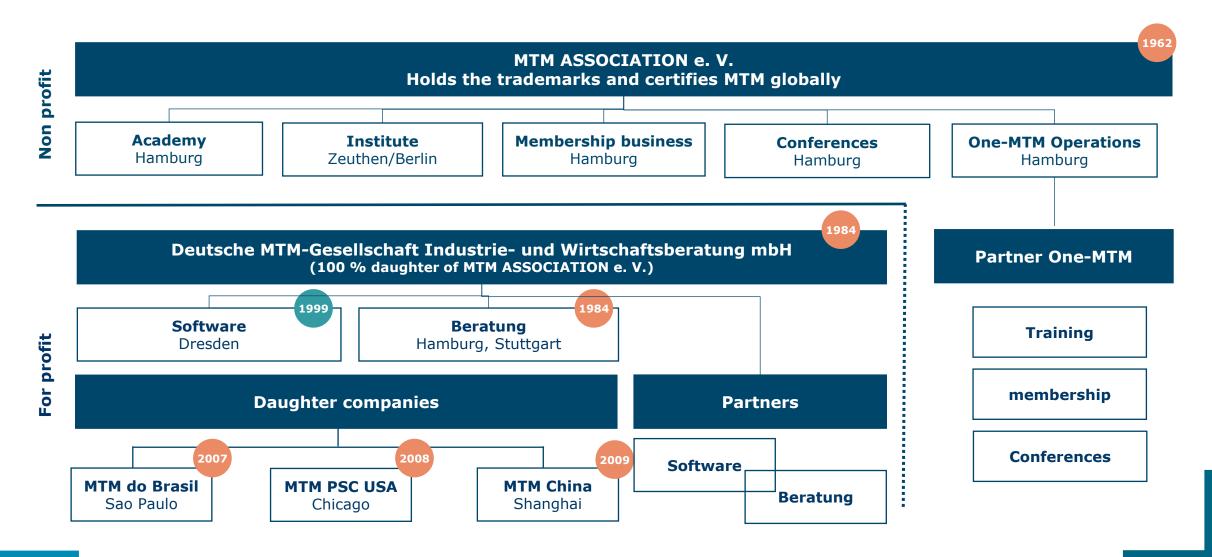
5.000

licenses for MTM-Software TiCon with approx. 25.000 users globally 4.000

projects to improve competitiveness

MTM

MTM ASSOCIATION e. V.





Research and development topics at MTM Institute

Development of MTM methodologies

Digitalization & Automatization of MTM methods

Digitalization & Internationalization of MTM trainings

Global MTM training platform

Labor politics & future work systems

One-MTM Network

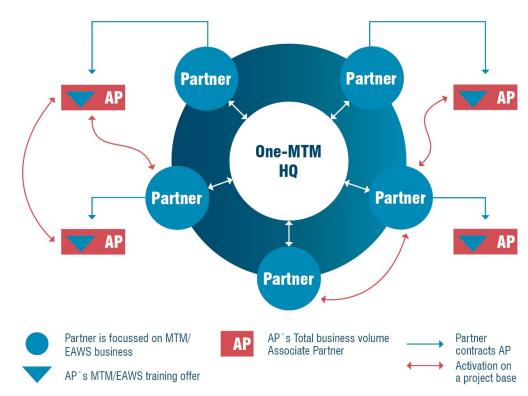
Vision

Establish MTM (Training, Software, Consulting and Research) as a **real global standar**d!

This means

- a clearly defined, uniform and mutually applied qualification procedure.
- a high awareness of the MTM trademark in the relevant communities.
- a recognized, effective business organization.
- a global, aligned offer of products and services.

One-MTM Ecosystem



Trademark

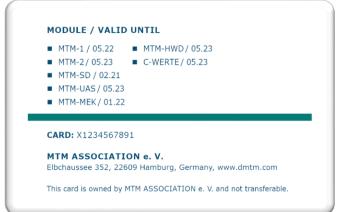
The **Trademarks** and the **Copyrights** for the following systems are with MTMA:

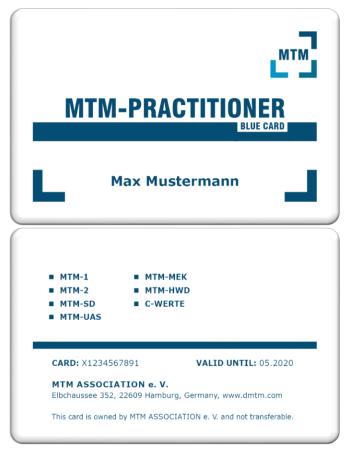
MTM-1, MTM-2, MTM-SD, MTM-HWD, MTM-UAS, MTM-MEK, EAWS

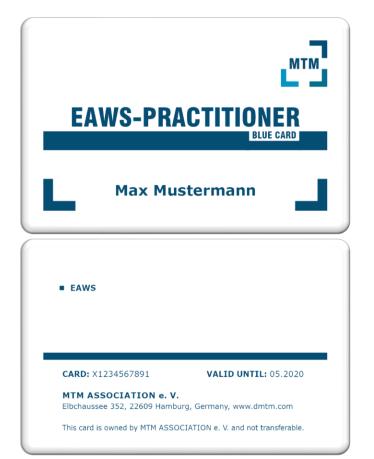


Gobal "identifiers" of MTM experts - Training USPs









Certificates - globally untified!

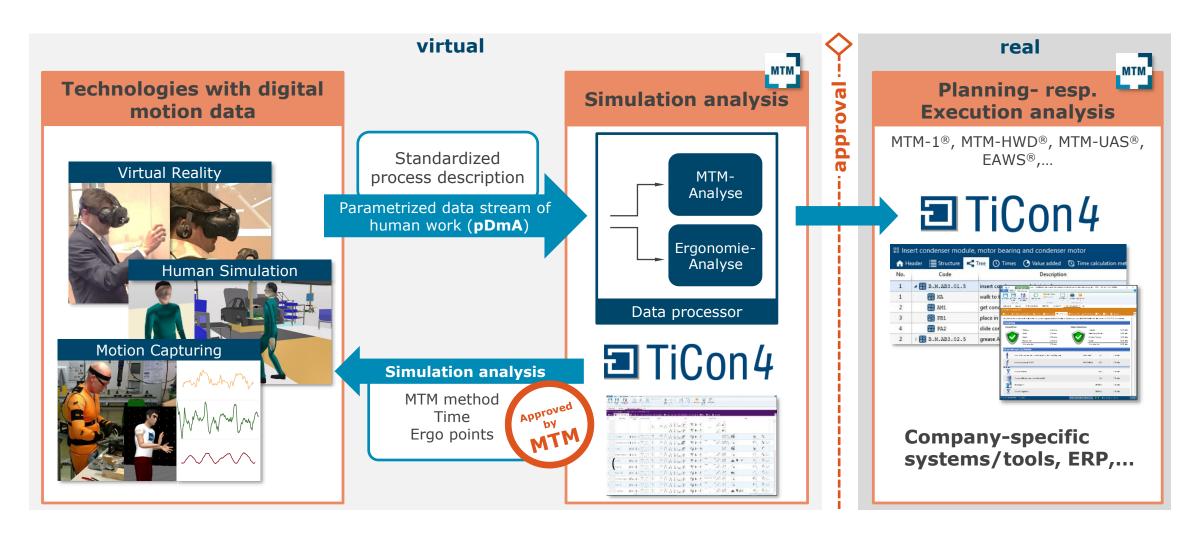




Update ... your understanding of MTM

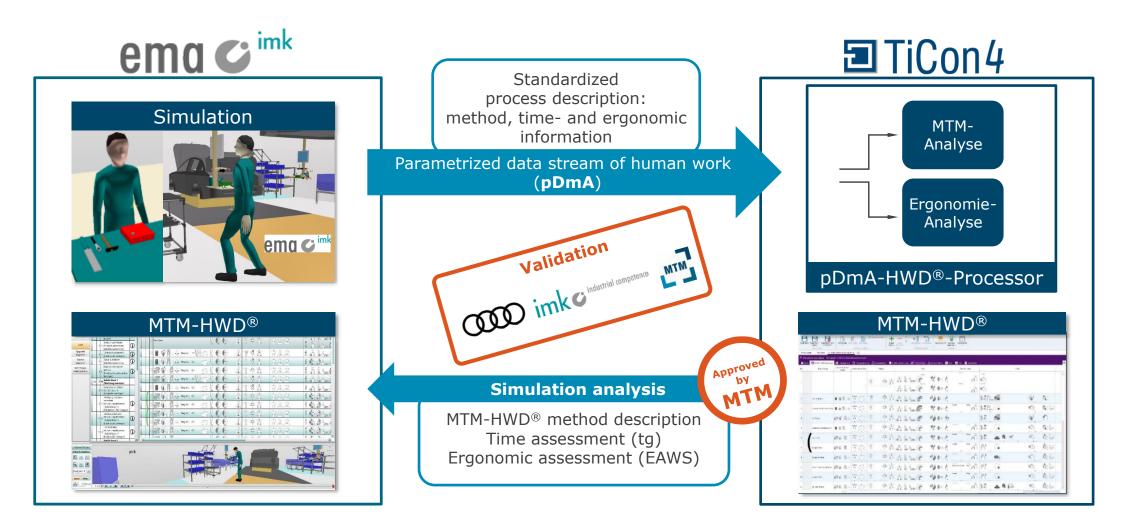
Transfer of digital motion data in MTM analysis: Simulation analysis



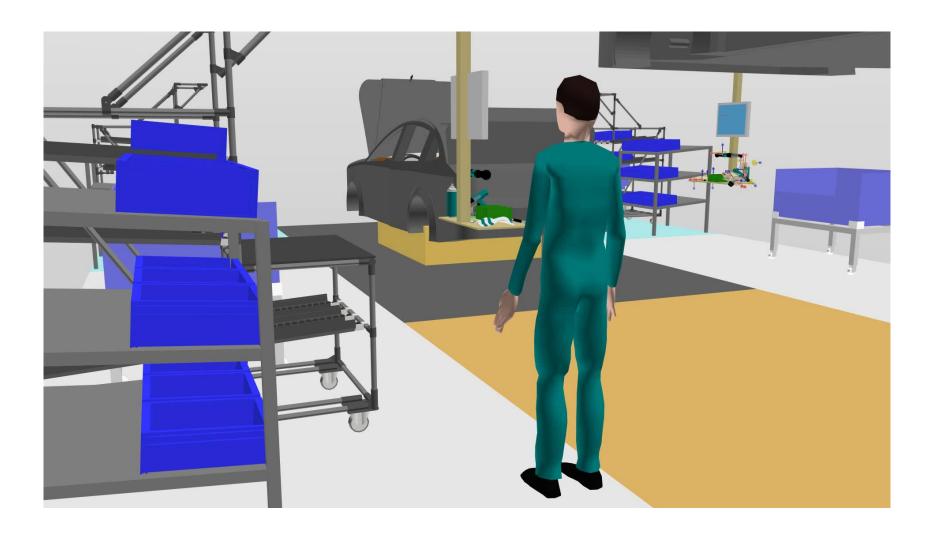


MTM

pDmA-interface: imk ema and MTM-TiCon



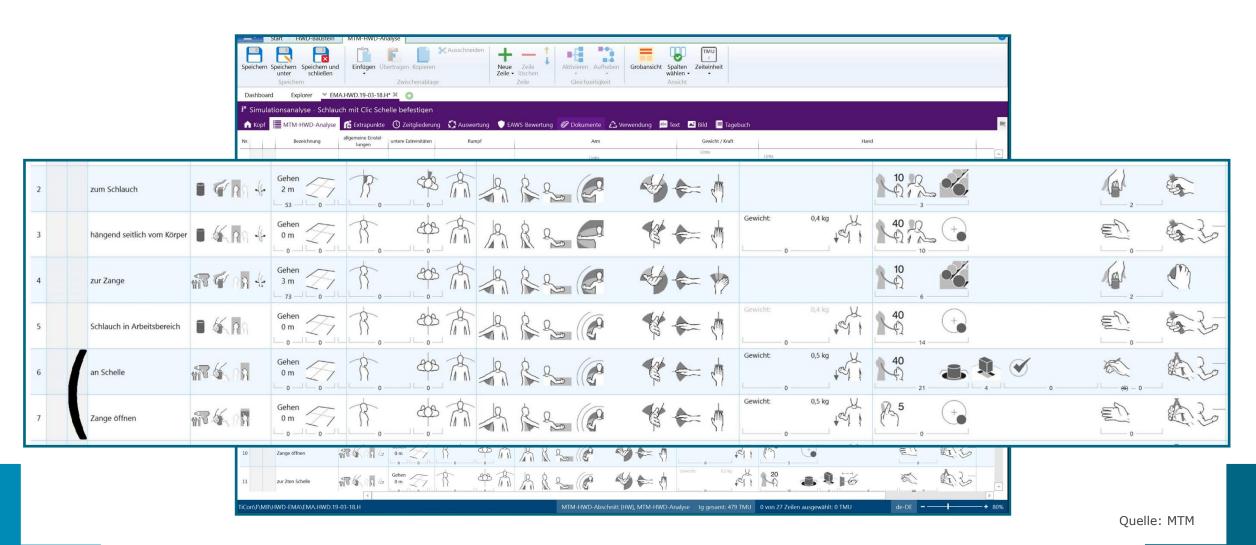
Human Simulation (ema) – tube assembly



Quelle: imk

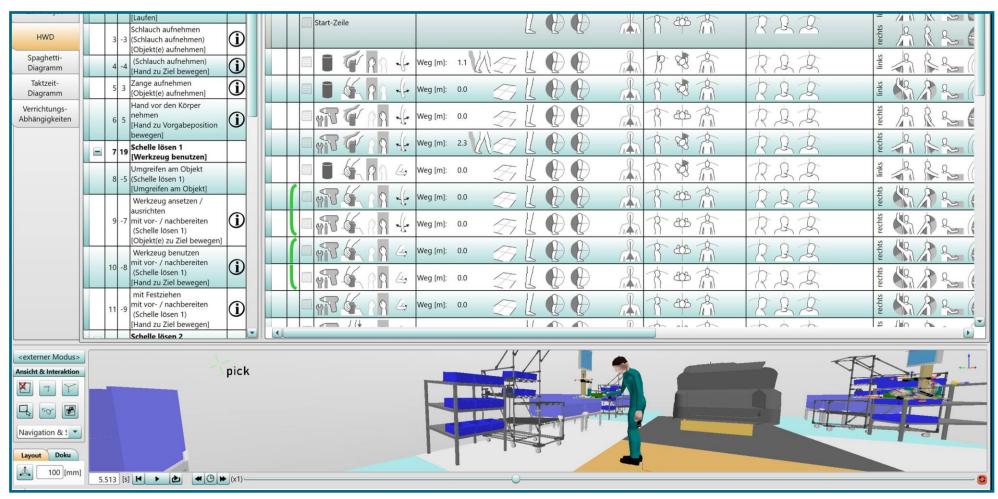
Tube assembly: MTM-HWD® analysis in MTM-TiCon







Tube assembly: MTM-HWD® analysis in ema



Quelle: imk

Transfer of digital motion data from Human Simulation



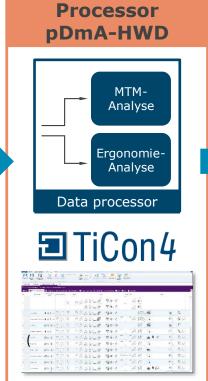




Standardized prozess description

pDmA

MTM-HWD® process description, additional informationen



MTM-1®
MTM-HWD®
MTM-UAS®
EAWS,
...

Simulation analysis

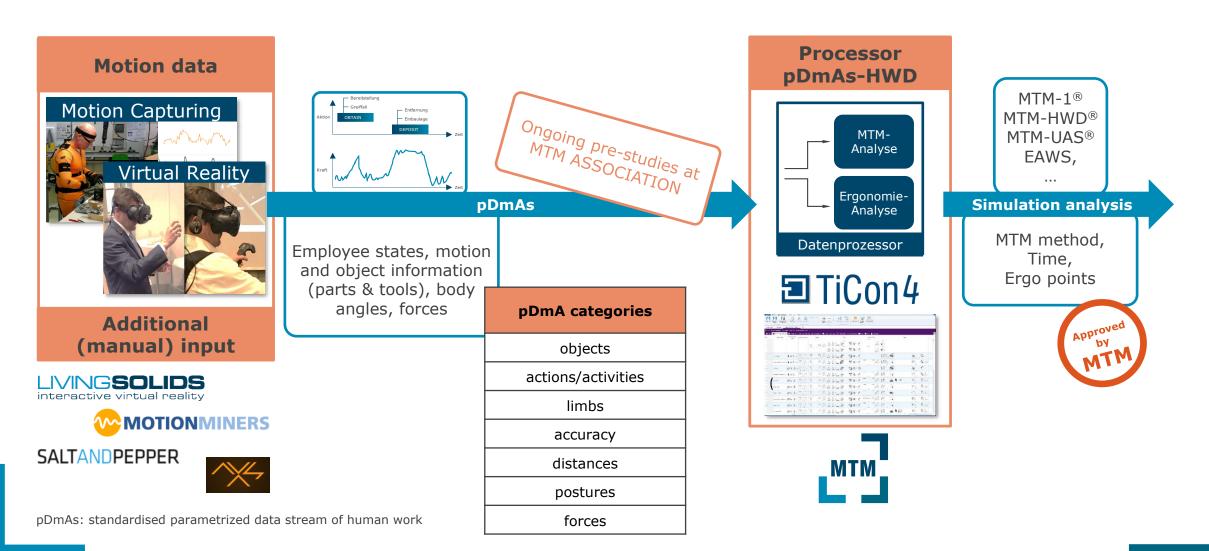
MTM method,
Time,
Ergo points

Approved
by

ema C imk



Development of a standardized interface



MTM Standard





MTM norm (standard performance): Globally accepted to describe and assess human work

Reference performance

Global

availability

All (relevant) stakeholders know our MTM products and services

Products and services out of one hand (training, software, consulting, research)

International networking and communication

Registered trademarks ®

Awareness

Worldwide identical qualification structure and degrees (blue and green card)

Clear requirements for MTM Instructors (contentwise, organisational, didactical)

> Periodical quality refreshment of applicators and instructors

Consistency

© MTM ASSOCIATION e. V. 19

MTM

"Good" times

come from welltrained employees!

MTM E-Learning

MTM training today and in future: MTM E-Learning – a success story





Learning

- personalized
- digital
- multilingual
- for practice
- interactive
- innovative
- anywhere
- anytime
- demanding
- verifiable
- approved



MTM-1 Base available now in English, German, Portuguese, Spanish and Italian

Benefits

- Reduced duration for the training
- Shorter absence from job
- Available in several languages











- Easy access to MTM training from international sites
- Global consistent structure & dissemination of MTM



#MTMTIMETOWIN





Peter Kuhlang

Prof. Dr.

Head of MTM Institute, President of International MTM Directorate
Managing Director Deutsche MTM-Gesellschaft mbH
+49 151 42251234

peter.kuhlang@dmtm.com



MTM ASSOCIATION e. V.
Elbchaussee 352
22609 Hamburg
Germany
www.dmtm.com