

Introduction

Welcome to our Newsletter!

Since we are still in a world of 'new normal' and still adapting to the ever-changing rules and regulations, in this newsletter we wanted to look at what MOMi are doing to deliver education and business consultancy services remotely. It is not the same as standing in front of class or sitting down with our customers face to face but in today's world it is the next best thing.

In every Newsletter, we highlight and explore in more detail one of our training programs and workshops. In this sixth edition, the Training In Focus is [Smart Manufacturing and Industry 4.0 Strategies](#).

In this edition senior business consultant [Gerard Ipskamp](#) focuses on completing a **Manufacturing Maturity Assessment** remotely. Something we have successfully delivered this year.

I hope you will enjoy reading this sixth edition of the MOMi Newsletter. Please, let us know if you have any questions and/or suggestions either via our [website](#) or by e-mailing [Sarah Knight](#).

Jan Snoeij, President

MOMi Manufacturing Education Available Online & In Classroom

Your people are making the difference!

Good training and development programs help to retain the right people and grow your profit. Companies that learn fastest and adapt well to changing environments perform the best over time. MOMi independent manufacturing education programs can be delivered online (instructor led) or in the classroom (in a COVID safe environment).

All MOMi education programs comprise several assignments. All participants who complete the assignments will receive the valuable MOMi Education Certificate. More details on MOMi Education can be found at:

www.mom-institute.org



About MOMi

The Manufacturing Operations Management Institute (MOMi) is an Expert Division of ATS Global.

MOMi offers best-practice business consultancy services to support the full change cycle in a dynamic operations environment and provides strategic and tactical advice to manufacturers, delivering the 4th Industrial Revolution.

MOMi provides independent education programs to manufacturers, preparing their people to leverage new smart technologies through the power of knowledge.

Our team has extensive experience in supporting manufacturers around the globe and provides best-practice services to help them to continuously improving their performance (step-by-step).

MOMi's consultants and instructors work from a pragmatic basis to deliver effective, deployable strategies. MOMi's team consists out of independent, professional experts in the domain of Manufacturing Operations Management.

More: www.mom-institute.org

Training In Focus: Smart Manufacturing and Industry 4.0 Strategies

In this two-day classroom based or 3 session online expert led workshop, we work together to examine the vision of Smart Manufacturing and Industry 4.0 and determine how to leverage the new technologies and methodologies.

Let's talk about practical, deployable smart manufacturing strategies. Supported by many real examples, we look at the current status of smart technologies and the core concepts of Industry 4.0, e.g. Cyber Physical



Systems, (Industrial) Internet of Things, Smart Factory, Big Data Analytics and Artificial Intelligence. Inspired by the nearly endless opportunities, we try to imagine how these smart technologies can help us in improving our manufacturing performance. It is a known fact, that the Fourth Industrial rapid evolution does not replace the previous one. The smart backbone for Smart Manufacturing and Industry 4.0 are mature deployments of Manufacturing Execution System and Manufacturing Operations Management solutions (MES/MOM).

Together, we define what is necessary to get ready to

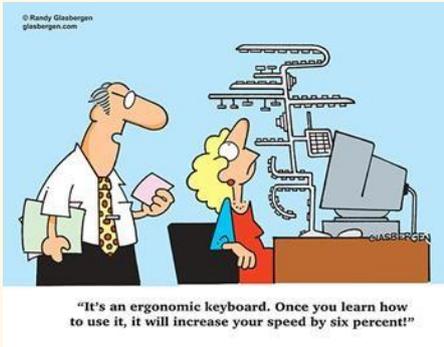
introduce the new technologies successfully. Based on the considered Smart Strategies to start implementing the vision, the participants walk away with a plan of action to deliver that most valuable of commodities – a return on investment now and in the future.

You can join the next online edition of the Smart Manufacturing & Industry 4.0 workshop [here](#).

What about Change?

In the field of Manufacturing Operations and IT, many of the discussions get to a technical level very quickly: How is the work done the shopfloor, what solutions are required and how can they be provided by IT? Of course there is nothing wrong with that discussion, but we should not forget that in the end, Manufacturing Performance is delivered by the team of machine operators, forklift-truck drivers, shiftleaders, maintenance technicians and quality controllers. And any new IT solution, new working procedures or new KPI's will impact this group and how it cooperates, even if that is not intended. And if we extend the horizon than even more people depend on manufacturing information, planners, purchasers, delivery/supply chain/logistic responsible. But also Health, Safety and Environment, and legal (compliance) can be affected.





If higher performance is expected in the end, we should take care as well of the human side of change in IT projects in the manufacturing domain: make sure that people understand the reasons for change, get familiar (comfortable) with new working processes or maybe even spark some enthusiasm? And we should make sure that they get the time to absorb a change, learn how to work with it and use it to its potential and beyond.

So what about change? It is all about change!

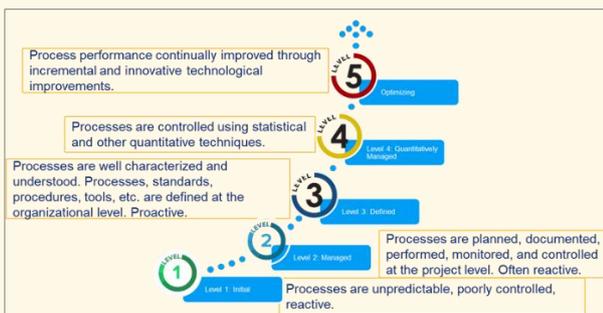
The [Manufacturing Operations Management Institute](https://www.mom-institute.org) education programs are available to not only prepare for the future of smart manufacturing but to lay the foundations to ensure change is managed and successfully implemented.

- [Manufacturing Maturity to Improve Performance](#)
- [Smart Manufacturing and Industry 4.0 Strategies](#)
- [MES/MOM: All You Need to Know!](#)
- [IT/OT Convergence for a Connected Factory](#)

Business Consultancy in Focus: Remote Manufacturing Maturity Assessment

In February 2021 the MOMi business consultancy team did its first remote Manufacturing Maturity Assessment. The obvious reason was Corona/Covid-19 and the impossibility to travel abroad.

Through this experience we concluded that face to face is still the best way to do the assessment. Reading and reacting to non-verbal signals during the discussions is beneficial for and has an impact on the results of the assessment. Adding some activities to our standard methods, before and after the assessment, ensured it was a success with a clear roadmap for the next steps.



So, our remote methodology for doing a Manufacturing Maturity Assessment would look like:

Introduction course

Introducing the Manufacturing Maturity Model and the Assessment, and the ISA-95 activity model that is behind it. Introducing also:

- MESA white paper #38: Building a Manufacturing Transformation Strategy with ISA-95 Methods
- MESA white paper #53: MESA MOM Capability Maturity Model Version 1.0

Virtual Tour

Simulate a tour by making videos and making pictures. Really try to follow the route that you would have followed during the tour. Then have a session to discuss and explain what normally would have been done during the tour.

Vision

Have an online workshop about vision, drivers and wishes. The goal is to have a better feeling for priority for the company.

IT Landscape

Explain and explore the current IT landscape and what processes are mapped on the IT solutions. With this basic information for the Assessor the risk of not being on site and face to face is mitigated. It is also essential to remember that this Assessment is not an audit. The goal is a roadmap for improvement. The next phase would be the Assessment itself for every activity group in the ISA 95 model for the domains in scope (production, quality, maintenance, inventory and other):

- discuss the activities
- assess the maturity.

During discussing the activities and assessing the maturity, the Assessor can ask to have some answers shown immediately or send information to him after the interview (collecting proof if 'needed').

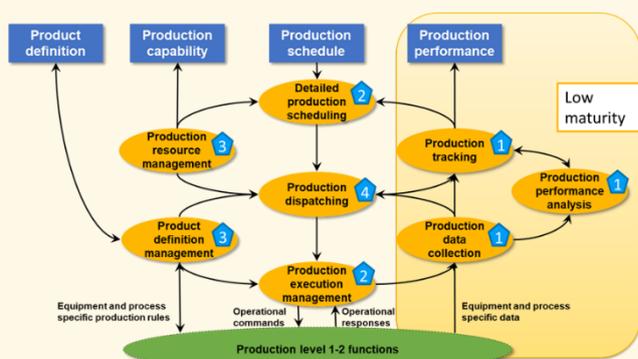
Again due to the remote character of the assessment some rules for organizing the interviews must be followed.

- Video is on during the start up and the pre-assessment activities
- Interviews are max 2 hours
- One person not more than 3, max 4 hours/day
- Small groups (up to 5) are ok if there are one or two persons to be interviewed. The rest is on mute and mainly in listen mode. They help only when needed.
- Try to schedule and execute the assessment in a short a period as possible.

The final step is to have presentation(s) and discussion session(s) with management and the participants. It is important to reserve some time to dive into certain subjects as a result of assessment results and to be added to the roadmap.

With this modified methodology we know it is possible to execute an excellent Manufacturing Maturity Assessment in Corona times.

Production Operations Management



What Our Customers Say

“Thank you for your kind and professional teaching! It’s a pleasure to have the chance to work with you and MESA/MOMi in the future for Litens company and a larger Chinese audience getting the professional and valuable courses from MESA GEP”

Julian Zhu, Plant Manager; Litens Automotive China, MESA MES/MOM CoC - February 2021

Visit our "[Testimonials](#)" page to hear more from our customers!

Training Schedule

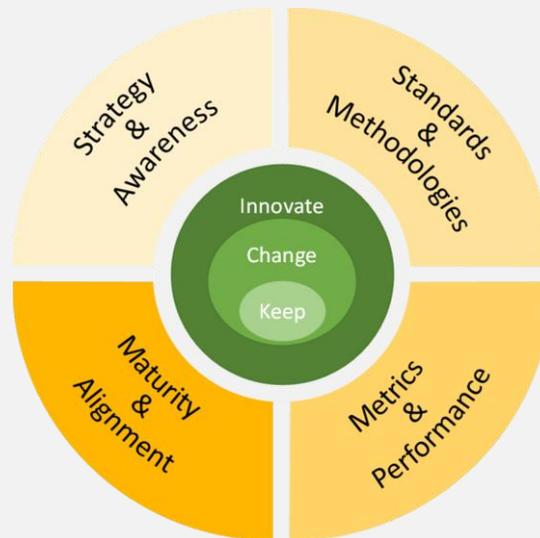
Program	Days	Date	Location	Price
Cybersecurity for Manufacturing (ISA/IEC-62443)	2	April 14, 2021	Online (13:00 - 17:00 CET)	€ 895
MES/MOM Standardization using ISA-95 for Operations	2	April 20, 2021	Online (13:00 - 17:00 CET)	€ 895
Serialization in Manufacturing	2	May 11, 2021	Online (13:00 - 17:00 CET)	€ 895
MESA MES/MOM Certificate of Competency (CoC01)	5	May 17, 2021	Online (15:00 - 20:00 CET / 09:00 - 13:00 EST)	€ 3.950
MESA MES/MOM Certificate of Competency (CoC01)	4	May 18, 2021	Insavalor - Lyon (F)	€ 3.950
MES/MOM: All You Need to Know!	3	May 18, 2021	Online (13:00 - 17:00 CET)	€ 1.595
Manufacturing Maturity to Improve Performance	2	May 26, 2021	Online (13:00 - 17:00 CET)	€ 895
MESA MES/MOM Certificate of Competency (CoC01)	5	May 31, 2021	Online (9:00 - 14:00 CET / 14:00 - 19:00 SGT)	€ 3.950
Smart Manufacturing and Industry 4.0 Strategies	3	June 8, 2021	Online (14:00 - 18:00 CET / 08:00 - 12:00 EST)	€ 1.595
IT/OT Convergence for a Connected Factory	2	June 16, 2021	Online (13:00 - 17:00 CET)	€ 895
Metrics Framework for Manufacturing Performance	2	June 29, 2021	Online (09:00 - 13:00 CET)	€ 895
Manufacturing Maturity to Improve Performance	1	July 7, 2021	Online (13:00 - 17:00 CET)	€ 895
Cybersecurity for Manufacturing (ISA/IEC-62443)	2	August 25, 2021	Online (13:00 - 17:00 CET)	€ 895
Smart Manufacturing and Industry 4.0 Strategies	3	August 31, 2021	Online (13:00 - 17:00 CET)	€ 1.595

MOMI’s education programs are delivered as public sessions as well as a private in-house session. In-house session content can be tailored to your specific situation and requirements. Please ask [Sarah Knight](#) for more details about in-house programs – typically available for 10 participants or more – or if you want to participate with a smaller group. Attractive reduced fees may apply.

For more information and registration, see our [website](#).

MOMi Education: A Comprehensive Set of Programs

- Smart Manufacturing and Industry 4.0 strategy
- MES/MOM for Executives
- Business Case



- MOM related ISA Standards
- Cyber Security
- MESA MES/MOM Global

- Manufacturing Maturity
- Business and IT Alignment
- MOM Centre of Excellence

- Metrics Framework
- Continuous Improvement

MOMi Business Consultancy: Control the Business Change Cycle

