



11th Annual

European Manufacturing Strategies Summit

26 - 28 October 2015 | Düsseldorf, Germany | ems-summit.com

Inspiring the future of cross-sector
manufacturing excellence in Europe

Post-Summit Report





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Summit Intelligence

The **11th Annual European Manufacturing Strategies Summit 2015** brought together prominent and established themes in European Manufacturing such as **Lean, Operational Excellence, Safety** and **Quality**. EMS 2015 looked at the future of **manufacturing** in Europe with in-depth case study analysis on **Industry 4.0, 3D Printing** and the latest in **Automation and Tehcnology**. With over 45 speakers, more than 30 countries represented and 300+ people on site- EMS 2015 was the largest Summit to date.

Hear Dr Patrick McLaughlin's thoughts on the Summit:



Very interesting event with 2 main issues coming out of it: The empowerment and the involvement of people - how culture is a major component of achieving operational excellence. And the technical side - the processes and the disruptive technology capable of giving a competitive advantage.

We've heard from people who have implemented, we've seen what has worked and what hasn't worked and we've had a glimpse into the future of what might be.



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The Future of European Manufacturing:

The Fourth Industrial Revolution is well and truly upon us, and it has brought with it new and exciting ways of working with Industry 4.0, 3D Printing, Automation and much, much more.

EMS 2015 brought together industry leaders, academic experts and future thinkers to discuss how the manufacturers will incorporate the breakthrough technologies which will define the future of the industry.

Antonio Buendia, the **Head of Manufacturing Process Control at Novartis**, unveiled some of the most ambitious plans for revolutionising production in the pharmaceutical industry as he presented their “Factory of the Future”.

While **Martin Ford**, the author of “**The Rise of the Robots: Technology and the Threat of a Jobless Future**,” (Financial Times’ Business Book of the Year for 2015), put forward his thoughts on the pitfalls of a potentially fully automated, technology-driven future of manufacturing.

The issues discussed in the “**Automation & Technology**” stream were among the most pertinent and memorable at the 2015 Summit, and provided the tools to create a blueprint for attendees to follow moving forward.





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Summit Highlights

Automation & Technology:

Philips Avent's Site Director, Walter Mattis, provided an in depth account of their journey from a marketing idea, to a technical roadmap, to the final product with key learnings along the way.

Lean & Operational Excellence:

Lisa Norcross, the Senior Vice President of Operational Excellence at E.ON, brought outside knowledge on how they dealt with a vigorous top-down cost reduction programme whilst still managing to instil a culture where continuous, sustainable performance improvement became the norm.

Safety, Quality & Risk Management:

The story of how human-error related quality deviations and non-conformities were reduced by 40% within a year at **Lonza** was told by their Head of Error Prevention System.

Workforce Development & Leadership:

Hugo Boss' Head of Quality Management from the Izmir (Turkey) facility, Güneş Ergen Kaftan, revealed how to source effectively and build an ideal employee base for your organisation through a thorough selection system with various key assessments to consider.

Advanced Manufacturing Strategies:

Steve Hope, the General Manager of Environmental and Corporate Citizenship at Toyota Motor Europe, reflected and discussed key learnings following the completion of their ambitious 25 year Environmental Action Plan as well as forecasting the key challenges that the industry will face in the next 25 years.





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Top Takeaways

Industry 4.0 is not about technology, but in fact; management

Daniela Jansen, 3DS

Delegate authority in a coordinated manner to lower levels of the organisation, starting with shop floor for impressive results in lossless improvements.

Billy Idol, Cyberpunk: "Information is power and currency in the virtual world we inhabit" – data is the new currency, so long as the individual can turn it into relevant information

Daniela Jansen, 3DS

In order to make a breakthrough with corporate environmental responsibility - it may be necessary to confirm a strong commitment from local governments. Otherwise it'll be a drop of water in the ocean

Alejandro Tassara, Luvata

Bottom-up data collection without a top-down framing of the decisions results in wasted efforts and inefficiencies

Peter Hopper, Strategic Decisions Group

Once you have focussed on your manufacturing strategies then support your supply chain

Rinus Tanis, Penske

OEE is critical with small batches as well as large batches. Availability vs Speed

Richard Hainrihar, Luvata

Product development - do it right: innovation that people want and will pay for, execute properly – and remember the difference between invention and innovation!

Sandra Patino, Danone

Operator cockpits are a great way to provide feedback and give them ownership!

Richard Hainrihar, Luvata

For sustainable deployment, take employees from their roles and place them into the DPS team for 6 months before reintegrating them once again

Marije Harms, Azko Nobel

Bad systems beat good people

Sandra Patino, Danone

Graham Hill on Lean approach – "If you feel you have got everything under control, you're not going fast enough"

Bernard Savioz, Syngenta

Industry 4.0 - 5 crucial steps: mobile devices, applications, flexible network (LAN), architecture technology and the Internet of things

Bernard Savioz, Syngenta

There is no silver bullet. However cause mapping is a major pillar in continuous improvement

Marije Harms, Azko Nobel

When teaching, we cannot forget what we do not see

Sandra Patino, Danone

Seeing things with your own eyes is always most powerful

Marije Harms, Azko Nobel

Having an overarching strategy and being able to quantify the impact on the digital realm seems a struggle most companies face

Marije Harms, Azko Nobel

Deploy real time analytics to allow demand forecasting

Bernard Savioz, Syngenta

Crucial to gather social media information when recruiting

Dick Chard, Oliver Wyman

Integrated E2E processes empower control along the value chain

Bernard Savioz, Syngenta

Separate productivity and compensation - Machines mean more productivity with less compensation

Sandra Patino, Danone

Continuous improvement makes sense with time and a step by step method. Lean gives more breaks, which is necessary too for performance.

Correct decision making goes beyond the supply chain and needs to integrate the product design and the collaboration with customers. It should also make us think about what data we really need

Sandra Patino, Danone



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Out of the Box Speaker:

"The Rise of the Robots", Winner of Financial Times and McKinsey Business Book of the Year Award, was discussed in detail by the much-acclaimed author Martin Ford. His incredibly well-researched warnings for the future have left an impression on the manufacturing industry and for the first time, he brought his expertise to Europe.



Site Tour:

EMS 2015 was the first time that the summit included a tour to the Ford Factory in nearby Cologne. Delegates were welcomed at the Visitor Centre with a short presentation. Attendees were then taken through and shown at close quarters the entire production process of the Ford Fiesta starting with the stamp shop to the body assembly and closing with the final assembly shop.

This exclusive look at one of Ford's leading factories, alongside fellow manufacturing professionals, proved to be an excellent learning and networking opportunity at the summit.

Key Note sessions:

Technology Development in Highly Automated Mother and Childcare Production

Walter Mattis, Site Director, Operations Management - Philips Avent

Operational Excellence is being Introduced as one of the Main Ways that E.ON is Changing the "Way We Work"

Lisa Norcross, Senior Vice President, Operational Excellence - E.ON

Roadmap to Quality on Time – a Global Performance Improvement Programme

Tilmann Kloppe, Senior Director Quality (Head of Quality PPC), Bombardier Transportation

From Plan to Action: Reflections on Toyota's 25 Years of Environmental Action Planning

Steve Hope, General Manager, Environmental Affairs and Corporate Citizenship - Toyota Motor Europe

The Factory of the Future is an initiative supported by the Operational Technology infrastructure that aims to achieve

Antonio Buendia, Head of Manufacturing Process Control - Novartis Pharma AG

3D Printing the Future Today: Examples and Strategies for 3D Printing as a Production Solution

Dr Phil Reeves, Vice President, Strategic Consulting - Stratasys Ltd

The New Era of Industrial Performance Management

Simon F. Jacobson, Vice President, Research – Gartner

Rise of the Robots: Technology and the Threat of a Jobless Future

Martin Ford, Futurist/Software Developer/Entrepreneur/ Author - "The Rise of the Robots: Technology and the Threat of a Jobless Future"

Empowerment in the Factory of the Future: Going Forward Together

Dominique Foucard, Senior Vice President - Prevention & Industrial Performance – Michelin

How can you Effectively Source and Build the Ideal Employee Base?

Güneş Ergen Kaftan, Head of Quality Management - Hugo Boss

Lean and Project Management – How using Operational Excellence Helps to Optimise Cost for New Investments

Marc-Oliver Rechsteiner, Senior Director and Head of Global Operational Excellence - Octapharma AG



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Bigger and Better than Ever

The event has grown year on year and now brings together brand owners of the utmost seniority from all spheres of the manufacturing world in order to address the issues facing the marketplace. There is no other meeting place of this magnitude for attendees of this seniority. **With 300+** senior level attendees in 2015, the 2016 summit will move to a new venue in Düsseldorf with a greater capacity.

The 2015 edition of the summit saw more content than ever before with the introduction of a 5th additional stream on **Advanced Manufacturing**

Strategies. In addition to the **Lean & Operational Excellence, Automation & Technology, Safety, Quality & Risk Management,** and the **Workforce Development & Leadership** streams.

The Summit also saw **more networking, more discussion & more experts than ever before** with the launch of **Deep Dives, iSolve Clinics, keynote presentations, Head-to-Head Discussion, Interactive workshops, Breakfast Briefings** and more case studies from some of the largest, most innovative companies from around the world.

The event in numbers...



45+
Speakers



30+ Hours
of content



32
Countries represented



50+
Sessions



8 Hours
of networking



15
Solutions



300+ Participants.



67 litres
of coffee consumed



68 bottles
of wine consumed



£317,400,000
Total combined budget



50+ investment
priorities
highlighted by delegates



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What they said

Summit Highlight Video



Attendee Testimonials

Sure value added, great combination of presentations and interaction with companies
Head of Advanced Manufacturing, Philips

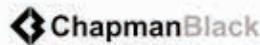
Extremely good 3 days of workshops and networking
Operations Manager, BAE SYSTEMS

A continually solid event. The level of attendees and speaker are good and the content is always interesting. I hope to remain part of this.
Vice President of Research, Gartner

Thank You to all the Commercial Partners

Thank you very much to all our Commercial Partners in 2015. With many thought provoking and forward thinking discussions being had it really looks like Manufacturing is in a great place in Europe.

We look forward to seeing you all again in 2016.





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Looking forward to next year

Venue

EMS 2016 will see the summit move to a new venue to accommodate its growth. The 2016 summit will take place at the Hilton Düsseldorf on 4 - 6 October.

Formats

New and exciting ways to learn, network and exchange best practice will rise to the surface at EMS 2016 with Deep Dives, Innovation Showcases, Masterclasses, Head to Heads and much, much more!

How to get involved

VIP Delegate

To book your place as a VIP Delegate simply contact the team on **+44 (0) 20 8629 7110** or at **enquire@industry-dynamics.com**

To book your place as a Solution Provider, Commercial Partner or Exhibitor contact Jack Jones, Head of Sales, Manufacturing Division on **+44 (0) 20 8629 7127** or at **jack.jones@industry-dynamics.com**

To present a case study or for other speaking enquiries contact Gurtej Johal, Senior Product Manager on **+44 (0) 20 8629 7115** or at **gurtej.johal@industry-dynamics.com**

For more information visit ems-summit.com