



IloTTalk^{US}

Digitizing the Industrial Value Chain

October 3rd - 4th 2019
Boston, USA

DAY ONE

08.15 - 09.00

REGISTRATION

09.00 - 09.10

WELCOME & CHAIRPERSON'S OPENING REMARKS FOR DAY ONE

09.10 - 09.45

Industry 4.0 "Natural Selection": Stagnation Is Not An Option

- Whether or not you have joined the Industry 4.0 race for innovation, one thing is clear – stagnation and inaction are not an option
- Regardless of the size of your organization and digital strategy maturity (or lack thereof), you simply can't afford sitting back and watching how the fourth industrial revolution plays out for the rest of the manufacturing world
- In order to secure your competitive edge and meet shifting customer expectations, you must start innovating today. Otherwise, you are risking being left out in this game of evolution and natural selection
- What you should be doing today in order to become a manufacturer of tomorrow

09.45 - 10.20

From Idea to implementation: A journey on how to roll out an IloT solution

- Putting the IloT into perspective
- Common pitfalls of Industrial IoT projects include a lack of clear understanding and misguided focus on technologies
- Creating a 'system of systems' by using machine learning, Big Data, and automation technologies that can accurately and consistently capture, analyze, and transmit data
- Collaboration with third parties, building a good understanding of what is needed and what can be provided
- Redefining how functional groups work, enabling smart collaboration using IloT tools across the organization

10.20 - 11.10

COFFEE BREAK & MEETINGS

11.10 - 12.10

One to One Meetings

- Smart/Advance Manufacturing and Industry 4.0
- Digital Transformational Change
- IloT Platforms
- IloT Applications
- IloT Security
- IloT Analytics
- IloT ROI
- Big Data & Manufacturing Information
- Big Data Analytics
- Cloud Applications
- Edge Technology
- Integration
- M2M
- IoT Automation
- Manufacturing Technology
- Manufacturing Automation
- Robotics
- Additive Manufacturing
- Facility Management and Integration
- Workforce Development
- Supply Chain & Logistics

11.10 - 11.40

Digitisation of Manufacturing: A Pragmatic Approach

- Moving from theory to practice - Lessons learned, key take-aways and key problems to be solved
- Integration of IoT, Big Data, Analytics, and AI in manufacturing
- Example use case: dynamic scheduling and predictive quality
- Approach to co-creation

11.40 - 12.10

Enabling Industrial IoT Edge Applications

- Industry 4.0 represents one of the most innovative verticals in IoT
- Enabling Enterprises to benefit from IoT while maintaining production requires new solutions
- Identifying actionable insights for Industrial IoT Edge applications with examples of analytics, productivity and quality that directly impact ROI
- Eliminating Operational Blind Spots – the #1 ROI of the IloT

12.10 - 13.00

NETWORKING LUNCH

IloT Roll Out - Case Studies

13.05 - 13.40

Case Study: Putting the ROI into IloT, One Company's Digital Transformation Journey

- The challenge of transformation - moving from a traditional manufacturing company to a high-tech enterprise
- Knowing the goal and vision but how to get there? Looking forward - Global rollout
- How to implement productivity, flexibility, and modularity in the manufacturing process?
- Connecting machine to machine for complete communication in production
- Real time data analysis for production and predictive maintenance

Smart Manufacturing

Tailoring the Smart Factory of future

- Global technological trends and advances are creating unprecedented threats and opportunities at an increasing rate of change
- Advances in artificial intelligence, additive manufacturing, and robotics promise new economic value
- Effective human-machine teaming will differentiate the top performers
- IoT enabled anticipatory analytics promise cost avoidance and optimal operations
- Safety, security, and sustainability are possible with effective systems analysis and design

13.45 - 14.20

Case Study: IoT in Manufacturing, A Journey and Lessons Learned

- Manufacturing has been connecting things for many years, now optimized infrastructures accelerate the pace, allowing innovative useful applications to be developed
- This discussion will review one manufacturer's journey, the challenges faced, the lessons learned, as well as expectations going forward

IT in Manufacturing as Enabler for the Smart Connected Industry and Big Data

- A highly standardized IT infrastructure is key to roll-out of features and solutions of connected industry
- How does this IT infrastructure look like currently?
- Shaping manufacturing IT and handling security?

14.20 - 15.10

COFFEE BREAK & MEETINGS

15.10 - 16.40

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15.10 - 15.40

Industrie 4.0's Impact on IoT and Manufacturing Execution Systems

- Implement global and local MES for Smart manufacturing solutions
- Which manufacturing strategy to consider when deploying MES?
- Where is the ROI in Industrie 4.0 and MES?
- Advice from manufacturers already implementing MES for Industrie 4.0

15.40 - 16.10

Defining And Implementing A Data Analytics Platform That Would Ignite Data-Driven Decisions On The Factory Floor

- Defining use cases enabling workshop personnel converting data to business value
- Operational excellence - actionable insight in a fast manner to drive process stability
- Operational insurance - system-supported root-cause analysis
- Making manufacturing less dependent on individuals' knowledge from the workshop
- Developing of an appropriate user interface
- Identifying required data
- Benefits

16.10 - 16.40

New frontiers in Cyber Security

- How to protect your business against cyber-security risks and threats from IIoT?
- Understand what innovative products can be brought into production lines and the opportunities they bring
- What is preventing the move towards more digitalisation within factories?
- Practical advice from experience on cyber-security technology to help establish and reinforce protection measures

16.45 - 17.30

Open Panel Discussion: Creating a Roadmap to Successfully integrate Industrial IoT

- Learn about what other companies are currently doing to begin their integration
- What challenges and stumbling blocks could you be facing and how to get round these?
- Establish your company's ambition and vision of the future
- Which strategy to adopt to implement connected asset management across your industrial machinery?

17.30

CHAIRPERSON'S CLOSING REMARKS AND END OF DAY ONE

18.00

NETWORKING DRINKS RECEPTION

DAY TWO

CHAIRPERSON'S OPENING REMARKS FOR DAY TWO

09.00 - 09.10

09.10 - 09.45

Industrial Technology Horizons: Intelligent Industry of the Future

- Global technological trends and advances are creating unprecedented threats and opportunities at an increasing rate of change
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09.45 - 10.20

Digitalization And New Dimensions In Workforce Management

- Technology and digitization is changing people's jobs, roles – as your business is evolving, is your workforce management strategy comprehensive enough to help you keep up with the change?
- What does digitization mean for your organization in particular?
- The main factors you need to consider in talent management

10.20 - 10.50

COFFEE BREAK & MEETINGS

10.50 - 11.25

OT vs IT – Who Should Be Spear heading Your Digital Transformation?

- As the fourth industrial revolution is picking up pace, the convergence of IT and OT is quickly becoming a necessity, and Industry 4.0 frontrunners are starting to rethink their organizational structures to bring the IT and OT teams together in order to reap the benefits of improved decision-making and operational excellence.
- However, a lot of industrial organizations still fall victim to the organizational silos and an ongoing battle between IT and OT
- Which side are you on?

11.30 - 12.30

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11.30 - 12.00

IoT Analytics - Striking the right balance between edge and Hub

- Why is edge computing growing in popularity? Analysis and action at the edge
- Managing data flows: the essential role of the edge as a gatekeeper to cloud computing
- Taking the right approach: finding what works for you

12.00 - 12.30

Practical approach for integrating data & analytics

- What's Happening & Where to Look?
- Unified Theory of Technology & markets
- What's your organizational purpose & your value?
- Exponential Technologies & Maturity

12.30 - 13.20

NETWORKING LUNCH



13.20 - 13.55

Digital Manufacturing: Examples on Effectively Using Data to Create Value

- Digital transformation meets reality. How e-Factory supports achieving your manufacturing and business goals
- Data analytics for effective predictive maintenance made easy
- Integrate your labour on your digital manufacturing journey with a solution based on the Poka Yoke principle to achieve your productivity and quality goals
- Intelligent material conveying: a new approach to increase your ability to respond quickly to the dynamic needs of your market

“Connect the unconnected”: Leveraging IIoT to Reduce Downtime and Drive KPI Improvement

- Case Study: Using smart algorithms including cloud based solutions to optimize the performance of the chilled water plant
- Performance improvements, seen include energy efficiency, reduced water usage, optimization of overall site facilities infrastructure and capital efficiency
- How IIoT combined with mechanical upgrades drives greater performance efficiency
- Freed system capacity to allow future increased load and demand at reduced and no additional costs
- Additional benefits include increased learning rate for system owners, faster troubleshooting and greater visibility to system performance

14.00 - 14.35

Improving legacy control schemes with an Industrial IoT Infrastructure

- Industrial ethernet networks out to the edge
- The importance of the physical layer
- New technologies that add value to the manufacturing infrastructure
- Choices that support future industrial network viability

Predictive Maintenance & Real IoT Analytics & Data Usages

- How to start your journey?
- What are your maintenance and reliability challenges related to IIoT Data?
- The benefits of switching from reactive to predictive maintenance strategies
- Making a business case and upfront costs
- Real time analytics and control systems

14.35 - 14.50

COFFEE BREAK

14.50 - 15.25

Open Panel Discussion: What's Next for Industrial 4.0?

- Obviously Industry 4.0 is not going to go through the same hype cycle as cellular generations
- But the time has come to look at the accomplishments of IIoT 4.0
- Where are we now? What is the current state of play?
- How do we get to the next phase of optimization and execution?
- A look at the standards and best practices
- What gaps and opportunities exist for improvement?

15.25

CHAIRPERSON'S CLOSING REMARKS

15.30

CLOSE

