



October 1-3, 2017 | Renaissance Schaumburg | Chicago

About the Event

IMPACT brings its attendees a truly comprehensive educational program that is 100% peer-driven and developed by 24 steering committee members from distinguished companies. The program addresses the major pressures and challenges seen in today's manufacturing world, from maintaining a successful continuous improvement system, to plant administration, and the complex managing and developing of innovation, technology and workforce. Paired with dedicated sessions on food and beverage strategies and sustainability, IMPACT is a must-attend event for all manufacturing executives.

Steering Committee

- Advanced Bionics Corporation
- American Axle & Manufacturing Holdings Inc.
- Bayer AG
- Cabot Corporation
- Commercial Vehicle Group, Inc.
- Dayco Products LLC
- Faurecia
- Fluidmaster Inc.
- Fresenius Kabi USA LLC
- General Kinematics Corporation
- Gilead Sciences Inc.
- Halliburton
- Interface Inc.
- Lenovo
- Mi-Jack Products
- Mizuho Orthopedic Systems Inc.
- Nike
- Park-Ohio Industries Inc
- Power Partners Inc
- Rehrig Pacific Company
- The Valspar Corporation
- Varian Medical Systems Inc
- Zoetis

Target Audience

C-Level, Senior Vice President, Vice President, Director, Head, Lead & Manager of:

- Automation
- Continuous Improvement
- Distribution
- Engineering
- Facilities
- Innovation
- IT
- Lean/Six Sigma
- Logistics & Transportation
- Maintenance
- Manufacturing
- Operations
- Owners & Presidents
- Sustainability/Green
- Packaging
- Plant
- Procurement & Sourcing
- Production
- Quality Control
- Supply Chain

Keynotes

Presentation: **Operationalizing Digital Manufacturing**

By 2022 Smart factories will deliver an estimated \$500B in value and a 7x increase in overall productivity. What can manufacturing leaders do today to ensure short-term investments support the capabilities required for near and long-term Digital Manufacturing success?

Key Take-Aways

- How can companies identify their current level of Digital Readiness?
- What use cases become available as a company increases their Digital Readiness?
- What pitfalls threaten successful Digital Manufacturing implementations?
- What has Sight Machine learned from working with the world's most advanced Digital Manufacturers?



Speaker: **Jon Sobel**, CEO, SIGHT MACHINE

Presentation: **Building Smarter Manufacturing with the Internet of Things**

Are you pleased with your current margins? Does your revenue grow by single digits? Is 2017 another year of “trimming costs” to be more efficient with the result being mediocre at best?

Hitachi has 100+ years of manufacturing experience. Today, convergence of operational technology and information technology enables manufacturers to be more efficient, agile, and profitable. Learn how Hitachi has employed IoT and Advanced Analytics to solve internal manufacturing challenges and address customer pain points, to realize real operational savings.

Key Take-Aways

- Where is manufacturing headed? IoT will fundamentally change how products are invented, manufactured, shipped and sold
- With IoT, IP networks and analytics, manufacturers can become more efficient, improve worker safety and offer new business models
- IoT will help manufacturers improve resource efficiency, safety and return on assets
- Manufacturers that master this new dynamic will have a variety of new opportunities for revenue growth and cost savings



Speaker: **Stephen Engel**, Senior Vice President, Practice Lead, HITACHI CONSULTING

Key Themes

Leadership & Innovation

Presentation: **Threading the Voice of the Customer to the Factory Floor**

During this presentation, you will see how to harmonize three business functions to address customer needs. The needs of the customer are obtained by capturing the Voice of the Customer or VOC. The three business functions that need to work as one cohesive and unified team are: Commercial (Sales and Marketing), R&D (Product Properties and Services) and Operations (Product Quality). When we collect the VOC, it is not always obvious on how it is translated to company metrics. That is why we link the VOC to the business functions by using the Design for Six Sigma tool: Houses of Quality or HOQ. Threading the VOC through the Houses of Quality helps map those customer needs all the way to the factory floor variables that are key to the customer's CTQs.

Key Take-Aways

- Using "house of quality" methodology to meet customer quality standards
- Translating the customer's needs all the way up to the manufacturing parameters
- From critical to quality to functional requirements
- Process variables as key indicators of your process



Speaker: **Paul Cafaro**, Director LSS, Quality, North America - Latin America, SHERWIN WILLIAMS

Presentation: **What Does It Take to Create Innovation That Wins?**

This Food & Beverage industry's leading best in class insights based approach to innovation has generated significant organic revenue growth for a diverse range of companies in terms of size, ownership (private/family run/public), cultures, innovation capabilities and business stage (during & post acquisition, transformation, turnaround) as well as brands in terms of market position, size, budgets & categories. This presentation will address how you can achieve success rates well above industry norms both in terms of revenue generated, and sustainability – staying power in market.

Key Take-Aways

- Penetrate a crowded marketplace
- Techniques on how to ensure you are only pushing the best ideas forward
- Best practices to using innovative approaches for revenue growth



Speaker: **Andria Long**, Vice President of Innovation, JOHNSVILLE SAUSAGE, LLC

Presentation: **Industrialization of New Products**

In the F&B industry, we are in a time of continuous innovation, as our portfolio changes all the time. Speed to Market and Customer Service Level are key to survive in this environment. In the INDUSTRIALIZATION OF NEW PRODUCTS, a clear and detailed VSUP (Vertical Start Up Process) is required. This presentation will walk you step by step through this process. This process allowed me to manage multiple successful projects, meeting the launch windows on time with quantity and quality. Practice, Rigor and Discipline of this process is a competitive advantage you cannot ignore.

Key Take-Aways

- New innovation industrialization time lines
- Detail Vertical Start Up Process
- Resources need it for implementation of the process
- Results and examples



Speaker: **Joaquin Anon Suarez**, Performance Manager, DANONE WAVE

Presentation: **Pursuing Operational Excellence**

This case study will highlight L-3 Communications' integration of Strategic Goal Deployment (SGD) using the concepts of Operational Excellence to gain buy-in and integration throughout their Sector.



Speaker: **Brian Strobel**, Director of Quality, L-3 COMMUNICATIONS CORPORATION

Presentation: **Product Development and Innovation**

During this presentation, we will touch upon OSHA's Regulatory Standards that define the bases for all organization to establish a safe work environment for your employees and a simple method to help your team identify concerns; the pros/cons of establishing a development team to investigate innovation in the workplace and how it can affect labor relations, and determine pros/cons of investing into innovation; how will it affect your team? Can you afford it, can you afford not to do it?

Key Take-Aways

- Employer's responsibility to provide a safe work environment for their employees in the eyes of OSHA
- How product development and innovation can directly affect Labor Relations
- Workstation ergonomic considerations when developing, or improving, work areas or changes to a facility layout
- Some of the advantages and pitfalls of being proactive with product development and a forward-thinking innovator



Speaker: **Michael Armstead**, Regional Director of Safety, BIMBO BAKERIES

Presentation: **Advancing Product / Process Quality Planning: The Key to World Class Design, Manufacturing, Quality, and Delivery**

In the F&B industry, we are in a time of continuous innovation, as our portfolio changes all the time. Speed to Market and Customer Service Level are key to survive in this environment. In the INDUSTRIALIZATION OF NEW PRODUCTS, a clear and detailed VSUP (Vertical Start Up Process) is required. This presentation will walk you step by step through this process. This process allowed me to manage multiple successful projects, meeting the launch windows on time with quantity and quality. Practice, Rigor and Discipline of this process is a competitive advantage you cannot ignore.

Key Take-Aways

- Why Advanced Product / Process Quality Planning
- 8 Steps in APQP
- Implementation in any organization regardless of product, process, manufacturing or service



Speaker: **Joseph Myers**, Vice President of Quality, DAYCO PRODUCTS LLC

Presentation: **Robust Additive Manufacturing Development for Robust Production Implementation**

Metal additive manufacturing has demonstrated cost saving, schedule reduction, and product performance gain in terms of weight saving, higher performance output, higher product reliability. In many cases, for a geometrically complicated hardware, the cost and schedule savings each can exceed 80% compared to the similar product produced with traditional manufacturing processes. The compounding factors of savings have resulted the product's cost on component level to be at tiny fraction of the original's along with performance gain have made the additive manufacturing an indispensable part of today's product development and production. The critical part for implementing an AM production strategy is ensuring a consistent and robust AM process capable of delivering high quality AM hardware that is well characterized and defects free. In this case study, additively manufactured hardware for Orion crew module spacecraft's reaction control system is presented.

Key Take-Aways

- Upon completion, participants will be able to understand AM process control and achieve Qualified Metallurgical Process in AM production
- Upon completion, participants will be able to take advantages of AM process and apply it to mission critical applications
- Upon completion, participants will be able to evaluate and select the most fit AM processes for productions



Speaker: **Youping Gao, Ph.D**, Discipline Lead, Manufacturing Engineering Associate Fellow, AEROJECT ROCKETDYNE

Presentation: **Advancing Product / Process Quality Planning: The Key to World Class Design, Manufacturing, Quality, and Delivery**

Discuss challenges and approaches for defining product and service offerings in the face of new or enhanced competition or during tough market conditions. Focus on current trends and opportunities in Commercial Space, Connectivity (inflight entertainment), UAV/UAS (unmanned), and Certification including how to seek and gain internal approval and customer acceptance.

Key Take-Aways

- Discover current market needs and trends
- Define the product or service including internal as well as external benefits/ROI
- Develop the internal sales pitch to gain management approval
- Demonstrate mastery of the subject matter
- Dominate the marketplace



Speaker: **John L. Knolla**, Director, Product Support Engineering & Certification, LMI Aerospace

Presentation: **Leadership Strategies to Bridge the Performance/Strategy Gap**

Abstract Coming Soon

Speaker: **Patrick Masterson**, Director Operations, HUSCO INTERNATIONAL



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- **Leadership in A Multi-Generational/Multi-Cultural Organization**
 - **The Effects of The Changing Political Policies and How It Affects Business**



Continuous Improvement

Presentation: **Competing for the Future: The Future of Operational Excellence and Continuous Improvement**

The world is changing, business is changing, and all of it is changing faster than ever before. Business is experiencing a revolution rather than evolution. So, with change impacting business like never before how has operational excellence changed and where it is heading in the future? What are we doing and what do we need to do differently to be able to compete in the future?

Key Take-Aways

- How have operational excellence methodologies changed over the years?
- How will the deployments change to adapt to business changes?
- Leading the change: What are key initiatives from Nike to shape the future of continuous improvement?



Speaker: **John Biedry**, Sr. Director - Global Lean Enterprise, NIKE

Presentation: **Manufacturing Takes the Lead in Lean Product Creation**

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Speaker: **Art Hyde**, Global Product Development System Chief Engineer, FORD

Presentation: **Maximizing Strategies Planning to Drive Results from Senior Leadership to the Factory Floor**

Strategic planning is an effective way for an organization and a senior leadership team to become aligned on goals, however, how can you use this plan to drive continuous improvement on the factory floor? In this presentation you'll learn the process to develop a strategic plan that can be used by the entire organization to get results and become a little better every day.

Key Take-Aways

- The strategic planning process and getting alignment on key goals
- Benchmarking to understand strengths and opportunities
- Best practice sharing to leverage organizational learning and improvement
- Utilizing skills assessments to drive training
- Daily use of the strategic plan on the factory floor to drive decision making



Speaker: **Scott Detillo**, Vice President of Operations, SAFARILAND

Presentation: **Future Proofing Manufacturing with Non-Destructive Testing**

Competitive forces are driving unheard-of levels of innovation in product design, materials and lean manufacturing processes. A rigorous and proactive approach to risk containment is essential to protect your brand and bottom line. This talk presents an overview of various NDT methods, their strengths and limitations, and culminates with a 4-step plan for implementation.

Key Take-Aways

- NDT 101: An overview and comparison of NDT disciplines, capabilities, limitations and application
- Minimizing containment costs through proactive materials evaluation
- “Seeing things differently” to protect your company’s tomorrow



Speaker: **Gail Stultz**, Business Development Director, ADVANCED MATERIAL SOLUTIONS

Presentation: **Servant of the Customer: Driving Sustainable Competitive Advantage by Actively Leading a Quality Culture and Production of a Great Widget**

Competitive forces are driving unheard-of levels of innovation in product design, materials and lean manufacturing processes. A rigorous and proactive approach to risk containment is essential to protect your brand and bottom line. This talk presents an overview of various NDT methods, their strengths and limitations, and culminates with a 4-step plan for implementation.

Key Take-Aways

- Act with Humility
- Be a Giver
- Challenge yourself to be a better leader
- Listen and Learn



Speaker: **Mike Davis**, Director of Quality, BALDWIN RICHARDSON FOODS

Presentation: **Continuous Improvement Will Solve All Your Problems...Really?**

Johnson Controls launched a Manufacturing Excellence Strategy to achieve its vision of becoming the most operationally capable company in the world. The centerpiece of the strategy, is the Johnson Controls Manufacturing System (JCMS). The system has 9 Principles and one of them is Continuous Improvement Culture where provides a comprehensive model with clear road maps for engaging employees, driving manufacturing excellence and growing the business via One Johnson Controls Way of manufacturing.

Key Take-Aways

- How the Continuous Improvement Culture ‘Principle’ provide increased sustainment o
- Practical examples of Continuous Improvement’s success
- CI teams vs all plant employees continuously improving
- How to integrate Continuous Improvement into a Manufacturing System



Speaker: **Rafael Romero**, Enterprise Principle Leader for Continuous Improvement Culture, Value Stream Flow and Visual Factory, JOHNSON CONTROLS

Presentation: **Making Natural Products Work in Your Operation**

Production operations are increasingly asked to use less processed materials as part of a sustainable initiative. Recognizing the functional differences in the way materials perform is essential to project success. We adapt the R&D commercialization process to explicitly identify differences, and in partnership with Operations, develop solutions consistent with the sustainable values a new product represents. This presentation will walk you through some essential basic understanding needed to work with less processed natural and/or organic raw material. This process makes expected costs realistic. Your organization then goes to market with confidence and meets consumer expectations.

Key Take-Aways

- The Sustainable Difference: Implications for sourcing and use of more natural Raw Materials
- Identifying where costs are different: Accurate assessment of cost of production for sustainable products
- Cost Control: Developing solutions to maintain throughput and yield
- Walking the Walk : Meeting customer expectations consistently



Speaker: **Mark Novak**, Director of Operations, GLOBAL ORGANICS

Presentation: **Allergies: The Power of QR Codes to Protect Your Customers and Your Company**

Food allergy awareness and prevalence are on the rise and FALCPA raises companies' liability for cross contamination. Learn how ZEGO has revolutionized allergy transparency for better consumer AND company protection.

Key Take-Aways

- Companies are increasingly being held responsible for cross contact.
- Most of cross contact comes in as contamination in your other ingredients.
- Batch testing the final product gives you constant feedback on your supply chain and operational effectiveness.
- Tying the batch test results to the QR code on your packaging gives your customers the information they need to decide if eating that particular product is safe for them.
- Costs of testing are minimal compared to cost of recall and could prevent a consumer having a reaction, hospitalization or fatality. You protect your customer and your brand



Speaker: **Colleen Kavanagh**, CEO & Co-Founder, ZEGO SNACKS

- **Workplace Motivation for Continuous Improvement**
- **Ensuring Sustainability of Programs**
- **How to Sustain Meaningful Improvements Without Additional Resources**
- **Continuous Process Improvement Based on Predictive Data Analysis**

Digital Manufacturing/IIoT

Presentation: **Building Blocks to A Connected Real-Time Digital Enterprise**

Integrated manufacturing processes enabled by the model-based enterprise (MBE) leverage 3D models throughout the product lifecycle into a “digital thread”. Technologies including IIoT connected equipment, optimized 3D illustrated instructions, automated inspection, augmented reality, and advanced analytics are converging into a new platform to achieve revolutionary new levels of productivity.

Key Take-Aways

- Goals of a Digital Thread in the Real-Time Digital Enterprise
- What does the Digital Thread look like today?
- How do we put building blocks in place for increased digital connectivity?
- Expected Benefits from realizing a true Digital Thread for the entire product lifecycle



Speaker: **Conrad Leiva**, VP Product Strategy and Alliances, iBASEt INC.

Presentation: **Smart Manufacturing: Connect Your Machines to Significantly Improve Your Machine Efficiency**

Manufacturers face disruption in this digital world. A desire to compete is a prime reason why IDC finds that 75% of industrial manufacturers have technology initiatives driven by digital transformation. At Dell, we understand the challenges faced by manufacturers because we are one, and offer an expansive portfolio of solutions from Industrial PCs to Rugged Tablets which address these top needs. In this session we will cover real deployments where we are enabling manufactures (including ourselves) to achieve digital transformation with our broad industrial solutions.



Speaker: **Kevin Terwilliger**, IoT Solutions Director, DELL

Presentation: **Get More From Your Plant Floor**

The emergence of Industry 4.0 and the Industrial Internet of Things (IIoT) is bringing to market technologies that are fundamentally transforming the world of manufacturing. Asset Connectivity, Data Extraction, and Data Manipulation are no longer technical barriers to achieving Smart Manufacturing. Is your organization educated, aligned, and structured to leverage these technologies and reap their benefits? Learn why deploying a Smart Manufacturing platform is easier than ever.

Key Take-Aways

- Connectivity Layers and Strategies – Edge, FOG, Cloud
- Communication Protocol Standardization
- Begin with the End in Mind: What’s the problem you’re trying to solve?
- Which Data is Right for You? - Define Your Use Cases
- Driving Transparency Across the Enterprise – Integrating with Business Systems



Speaker: **Jeffrey Price**, Executive Vice President, 5ME

Presentation: **Connecting Machines and Your People - Using IIOT to Make Your Factory**

FreePoint is making the factory floor “millennial ready” by connecting all value adding machines and processes to the cloud without modification, regardless of the machine type, brand or age, and then making the work accomplished visible to both management and workers in real time, in effect gamifying the work. Measuring the performance of your machines is only a small part of the objective - having the data affect positive change is the key, and that is best accomplished by better engaging your people..

Key Take-Aways

- Every value adding machine or process can be connected to the cloud easily with FreePoint, - not just new machines or expensive machines, but older machines and manual processes too. Usually within an hour
- Younger workers require feedback and visualization of goals and results accomplished. Visualization of work accomplished is key to engagement and motivation
- FreePoint’s patent pending technology makes it easy to gamify any process
- Gamification can improve productivity by as much as 35%
- The value added metrics used for engagement can be plugged into ERPs and other systems



Speaker: **Paul Hogendoorn**, President, FREEPOINT TECHNOLOGIES INC.

Presentation: **From P&L to Artificial Intelligence**

Experience Artificial Intelligence for Operational Excellence in this hands-on workshop. We have transformed a real-life business challenge into an interactive game. Get ahead of the curve, and experience for yourself how cutting-edge technologies are transforming the way people manage their businesses.

Key Take-Aways

- Key concepts in Artificial Intelligence, Machine Learning and Collective Intelligence
- Real-life example of how they can be implemented to improve Operational Excellence
- Key Performance Indicators and Business Notification samples
- Have fun while learning about innovative technologies



Speaker: **Maya Gal**, Co-Founder, Okapi
Iris Tsidon, Co-Founder, Okapi

Presentation: **PINpoint V5 Mes**

Are you achieving your manufacturing goals? Have you attempted to implement software solutions that ultimately provided you with an ocean of data without a grain of useful information? PINpoint Information Systems has been providing real time actionable metrics to our customers for 20+ years. Learn about a common sense approach to manufacturing execution designed from the ground up to solve your manufacturing challenges.

Key Take-Aways

- Establish a goal oriented culture throughout all levels of your facility.
- Account for every second of every station to establish real time metrics and long term trends.
- Recreate any point in time to evaluate circumstances surrounding the exact time you deviated from your plan.
- Rigid is good but flexible is necessary – this is the real world after all!
- Measure the effectiveness of management decisions and capital investments



Speaker: **Jarda Smrz**, General Manage, PINPOINT INFORMATION SYSTEMS INC.

Workforce & Talent Management

Presentation: **Attraction and Retention: Getting Millennials On-board and Keeping Them**

Strategies built specifically for recruiting the millennial and retaining them long enough to make a significant impact. These include emphasis on teaching contemporary manufacturing technology by using diverse learning methodologies. Once trained, making them feel part of “something bigger” by getting them involved in company and community causes.

Key Take-Aways

- Ability to attract millennials through emphasis on working with contemporary technology
- Use of multiple learning methodologies so employee understands the focus is on them as an individual
- Methods to keep the millennial engaged
- Integrating and retaining the millennial through corporate sponsored activities that correspond to their interests and builds unity and commitment that goes back to the workplace.



Speaker: **Tim Schafhauser**, Vice President-Manufacturing, US VISION

Presentation: **A Look at An Autonomous Team / Matrix Organization**

This presentation of an autonomous team concept will address the link between an autonomous team and a reactive organization, how to standardize efficient processes and how to improve standards with suggested ideas of teams and support functions.

Key Take-Aways

- Responsibilities & accountability are critical
- A learning organization to get the continuous improvement dynamic
- The power of Visual management to support the autonomous team



Speaker: **Philippe Babel**, Director of Operations, ZODIAC AEROSPACE CORPORATION

Presentation: **People: Still Our Most Valuable Resource? – Challenges and Opportunities to Increasing Engagement**

This growing Food & Beverage company’s insights based approach to investing in their people to generated revenue growth. This presentation will address how you can achieve success by focusing on your people by providing education, practicing servant leadership and building systems to support behaviors.

Key Take-Aways

- Realizing the value of retained employees
- Mgmt committed to applying
 - a. Transformational leadership approach
 - b. New technologies that support people as operators and leaders
 - c. Training and development to supplement skills at all levels
- Automation as an alternative to increasing labor to support growth



Speaker: **Justin Kobler**, Vice President of Manufacturing, LAND O'FROST

Presentation: **Increasing Employee Engagement in the Current Food Manufacturing Environment**

As regulatory scrutiny continues to increase across the food manufacturing industry, it directly impacts the environment in which our associates operate. Effective planning and proactive communication aid in helping our employees distill the complexity of their daily responsibilities. What strategies can operations professionals employ to keep their workforce engaged.

Key Take-Aways

- Values vs. priorities - how to communicate what's most important
- Begin and end with the consumer - where quality and food safety intersect
- Cultural barriers to employee engagement and how to counter act
- Are you engaged ?
- Leveraging engagement to drive organizational performance



Speaker: **Sean Maroney**, Plant Manager, WESTON

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- **Improving Current Employee Engagement and Productivity Levels**
 - **Trend for Global Job Rotations and Impact on Motivation**