****

***Product Selection and Applied Technology Handbook***

Spring edition closes 4/15 | Fall edition closes 9/17

**Suggested Topics for 2020**

**Smart Manufacturing and IIOT**

[Industry 4.0 Offers Manufacturing Improvement Opportunities](https://www.automationworld.com/factory/iiot/blog/13319762/industry-40-offers-manufacturing-improvement-opportunities)

[Digital Transformation at the Long Tail of Automation](https://www.automationworld.com/factory/iiot/blog/13319344/digital-transformation-at-the-long-tail-of-automation)

[Actionable Steps to Prepare for the Industry 4.0 Era](https://www.automationworld.com/factory/iiot/blog/13318900/actionable-steps-to-prepare-for-the-industry-40-era)

[Data Analytics is More Evolutionary than Revolutionary](https://www.automationworld.com/factory/iiot/blog/13319041/data-analytics-is-more-evolutionary-than-revolutionary)

[Lessons for Building the Connected Worker](https://www.automationworld.com/lessons-building-connected-worker)

[Smart Manufacturing—It’s not (Just) About technology](https://www.automationworld.com/factory/iiot/blog/13318298/smart-manufacturingits-not-just-about-technology)

[Turning Data Into Profits](https://www.automationworld.com/products/data/blog/13318220/turning-data-into-profits)

[Is Digitalization Different from MES](https://www.automationworld.com/products/software/blog/13318147/is-digitalization-different-from-mes)

[Is Real-Time Reporting Worth the Real-Time Cost?](https://www.automationworld.com/factory/iiot/blog/13319879/is-realtime-reporting-worth-the-realtime-cost)

[How to Prepare for Digital Transformation Initiatives: Part I](https://www.automationworld.com/products/software/blog/13742972/how-to-prepare-for-digital-transformation-initiatives-part-i)

[How to Prepare for Digital Transformation Initiatives: Part II](https://www.automationworld.com/home/blog/13743018/how-to-prepare-for-digital-transformation-initiatives-part-ii)

# [Manufacturing Digitalization That Works](https://www.automationworld.com/home/blog/21096625/manufacturing-digitalization-that-works)

# [How Business Process Modeling Can Prepare you for Digital Transformation](https://www.automationworld.com/factory/iiot/blog/21103680/how-business-process-modeling-can-prepare-you-for-digital-transformation)

**Automation & Control Systems**

[Managing Data: Single- vs. Multi-Platform Approaches](https://www.automationworld.com/products/data/blog/13319626/managing-data-single-vs-multiplatform-approaches)

[The Factory of the Future Will be Controlled by Tablets](https://www.automationworld.com/products/control/blog/13318634/the-factory-of-the-future-will-be-controlled-by-tablets)

[Its 2 a.m. Sunday—Can You Troubleshoot Your PLC Code?](https://www.automationworld.com/products/control/blog/13319254/its-2-am-sundaycan-you-troubleshoot-your-plc-code)

# [Get a Fresh Perspective on Troubleshooting](https://www.automationworld.com/home/blog/13319942/get-a-fresh-perspective-on-troubleshooting) [Integrating Robots Into Your Manufacturing Environment](https://www.automationworld.com/factory/robotics/blog/13742942/integrating-robots-into-your-manufacturing-environment)

**Networks**

[What’s Lurking in Your Enclosures](https://www.automationworld.com/home/blog/13318381/whats-lurking-in-your-enclosures)

[IIoT Communications](https://www.automationworld.com/products/networks/blog/13318994/iiot-communications)

**Security**

[Get the Most Out of Your Cybersecurity Assessment](https://www.automationworld.com/home/blog/13319600/get-the-most-out-of-your-cybersecurity-assessment)

[A Practical Approach to Cresting Internal Cybersecurity Best Practices](https://www.automationworld.com/home/blog/13319789/a-practical-approach-to-creating-internal-cybersecurity-practices) (

[What’s in a DMZ](https://www.automationworld.com/home/blog/13319420/whats-in-a-dmz)

[Tips to Keep Your Cybersecurity Documentation Current](https://www.automationworld.com/home/blog/13319423/tips-to-keep-your-cybersecurity-documentation-current)

[Observations on Cloud Security](https://www.automationworld.com/factory/iiot/blog/13318168/observations-on-cloud-securitypart-1)

[Cyber Risk Management](https://www.automationworld.com/home/blog/13318546/cyber-risk-management)

**Information Solutions (HMI/SCADA/Historians)**

[Have Your Verified Your Historian’s Data Recently?](https://www.automationworld.com/products/data/blog/13319968/have-you-verified-your-historians-data-recently)

[HMI Is Not All About Flashing Lights, Bells, and Whistles](https://www.automationworld.com/products/control/blog/13319427/hmi-is-not-all-about-flashing-lights-bells-and-whistles)

[5 Reasons to Consider a Power Monitoring System](https://www.automationworld.com/home/blog/13318206/5-reasons-to-consider-a-power-monitoring-system)

[Brainstorming the Future of SCADA Systems](https://www.automationworld.com/products/control/blog/13318762/brainstorming-the-future-of-scada-systems)

**For OEMs**

[Automating Ghost Noise Detection Yields Big Time Savings](https://www.automationworld.com/home/blog/13318566/automating-ghost-noise-detection-yields-big-time-savings)

**Safety**

[Safety Is Our Real Business](https://www.automationworld.com/products/control/blog/13319747/safety-is-our-real-business)

[Understanding Safety in Non-Routine Work](https://www.automationworld.com/products/control/news/13742934/understanding-safety-in-nonroutine-work) (note: this content comes from *PFW* and mentions PMMI, OpX, but not any vendor technologies)

**Asset Management/Maintenance**

[Data Analytics Strategy Provides Continuous Improvement](https://www.automationworld.com/factory/iiot/blog/13319898/data-analytics-strategy-provides-continuous-improvement)

[How to be Compliant with Your Burner Management System](https://www.automationworld.com/home/blog/13318329/how-to-be-compliant-with-your-burner-management-system)

[Obsolescence and Aging Infrastructure—Call the Guy! Quick!](https://www.automationworld.com/factory/oee/blog/13318824/obsolescence-and-aging-infrastructurecall-the-guy-quick)

[The Cost of Aging Obsolete Systems](https://www.automationworld.com/products/control/blog/13742931/improving-material-handling-capabilities)

# [Implementing Modern Technology to Reduce Downtime Troubleshooting](https://www.automationworld.com/home/blog/21103056/implementing-modern-technology-to-reduce-downtime-troubleshooting)