Using Product Life-Cycle Analytics to Tackle COVID-19 Challenges in Manufacturing

Enabling agility in the face of crisis and uncertainty

Session Abstract
Senior leaders from OptimalPlus and NI will discuss how data analytics can be a key ingredient to ensure continued manufacturing operations and a smooth return to “the new normal.”

Discussion Topics
- How data analytics are critical to understanding how the supply chain is functioning across silos
- Using data analytics to discover unexpected side effects of the crisis
- How to use engineering downtime for strategic thinking and preparing for the future
- Examples of how product life-cycle analytics can be used tactically and strategically to emerge stronger

Expected Learnings and Takeaways
- Extend your professional network with additional senior leaders with whom you can collaborate
- Share experiences, best practices, and lessons learned by participating in a group discussion
- Gain ideas about current and future approaches leveraging data for faster NPI and to reduce time to market
- Influence and steer investments from industry leaders like OptimalPlus and NI

About OptimalPlus
OptimalPlus is the global leader in analytics solutions for the automotive, semiconductor, and electronics industries. Serving tier-1 suppliers and OEMs, we enhance key manufacturing metrics, such as yield and efficiency, improve product quality and reliability, and provide full supply chain visibility.
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Key Discussion Topics
- Business disruption from COVID-19 is taking a toll, but it's creating opportunities to recover faster than the competition and to emerge as an even stronger manufacturing organization
- Unique challenges: lack of remote access, need for cost reductions, supply chain disruption, facility and workforce degradation, quality excursions, and the need for faster new product development (NPD)
- Leveraging product life-cycle analytics is a powerful way to recover faster and stronger; attendees also note challenges due to a lack of digital infrastructure and a shifting workforce preference to work remotely

Requirements for Success
- Consolidated view of operations with real-time alerts
- Transparency into supply chain operations and early warnings on interruptions
- Automatic detection of changes to operating parameters and key performance indicators (KPIs) like yield
- Active OEE monitoring adaptive manufacturing
- Tools for remote automation and collaboration
- Use engineer downtime to accelerate strategic projects

Next Steps
- Reach out for a personal discussion with michael@optimalplus.com
- Connect with Michael Schuldenfrei and Mike Neal on LinkedIn
- Visit OptimalPlus for more information on tackling manufacturing challenges with product life-cycle analytics
- Follow us on LinkedIn