

Contact: Tom Forsythe, Executive VP  
Tel: +1-615-831-0888  
Email: [tom\\_forsythe@kyzen.com](mailto:tom_forsythe@kyzen.com)

## **Tom Forsythe Will Present Industry 4.0 Cleaning Methods at the eSMART Factory Conference**

**NASHVILLE — April 2018** —KYZEN announces that Tom Forsythe, Executive Vice President, will present during the eSMART Factory Conference, jointly organized by Global SMT & Packaging magazine and SMTA, on Thursday, May 24, 2018 at the Plug 'n Play Tech Center in Sunnyvale, CA. Forsythe will present the paper entitled, "Applying Industry 4.0 Methods to Electronic Assembly Reflow and Cleaning Process."

To survive and prosper in today's economy, leading manufacturers must assemble high-quality products at the lowest possible cost. The total cost of production must take into account the complete product lifecycle including warranty, recalls and repairs. Monitor, track, trace and control systems are an essential element of success in achieving these strategic objectives.

The purpose of this research paper is to present monitoring, tracking and data analytics targeted at the reflow and cleaning process. Sensors strategically placed within the reflow oven and cleaning process capture the conditions that each assembly sees during the cleaning process. Analytics programmed within the system software provides process operators with real-time data outputs for monitoring the operation.



Mr. Forsythe is a globally recognized expert with extensive experience in chemistry and cleaning technology for manufacturing operations. His industry expertise includes aerospace, automotive, electronics and semiconductor areas specifically involved with the application of "green", high performance cleaning technologies.

Mr. Forsythe holds a Bachelor's degree in Applied Mathematics & Engineering from the US Naval Academy. He is a designated Naval Aviator Helicopter Pilot and holds a Masters of Business Administration degree from Boston University. Tom has authored and presented technical papers on environmentally-friendly manufacturing processes at prominent national and global forums for more than 25 years. Focused on cleaning technology and applications for the metal finishing electronics industries, he is well known as an active industry supporter through involvement in

trade organizations and fostering industry education programs for SMTA, IPC, PMPA, NAM, PMA, APRA, AMT and others.

**About KYZEN**

KYZEN is a global leader in providing environmentally responsible, RoHS compliant precision cleaning chemistries for industries ranging from electronics and advanced packaging to metal finishing and aerospace applications. Since its founding in 1990, KYZEN's innovative cleaning technologies, scientific expertise and customer support have been repeatedly recognized with the industry's most prestigious awards. For more information, visit [www.KYZEN.com](http://www.KYZEN.com).