EPISODE 14: SHOW NOTES AND ACTION ITEMS

David Ayala, West Region Plant Engineering Training Manager for UPS has seen the company go from having one computer in the office to a system where everything is tracked with codes and camera scanners. In this interview, he talks about the misconception that automation kills jobs. Instead, he observes that automation brings increased capacity for higher volume and the need for many more technicians and engineers.

So he's looking for technicians with troubleshooting skills, good mechanical skills, electrical skills, comfort welding, reading a ladder diagram, etc. In other words, as he puts it, "Not a one-trick pony." And because the volume of e-commerce strains machines, he'd like to see high-quality program graduates who can work with predictive rather than reactive maintenance.

Episode 14: Action Items
Check out some free resources about predictive maintenance:

"Industry 4.0 Predictive Maintenance - The Complete Guide," available at https://www.seebo.com/predictive-maintenance/ from Seebo, a Process Based Industrial Artificial intelligence solution provider. The guide provides a general overview which would be useful for instructors introducing the topic.

"Predictive Maintenance 101" available from AVNET at
https://www.avnet.com/wps/portal/us/products/c/predictive-maintenance-101/

As David mentioned in this podcast episode, UPS cannot afford downtime. Unplanned downtime has the potential to affect customer satisfaction and company reputation, so predictive maintenance is important in a high-volume business.

"Guide to Becoming a Preventive Maintenance All-Star"
https://img.en25.com/Web/PentonManu/%7Bf839cf62-7ffb-43e8-bfa5-95189a24e052%7D_IW_Promo_DudePreventiveAllStar.pdf

A short whitepaper on the benefits of predictive maintenance and the process for preparing the implement it through the Assess, Prioritize, Plan, Execute, and Maintain sequence.