

Justify, Track and Measure the Impact of VR/AR Systems

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The application of virtual and augmented reality to manufacturing is a key discriminator to the way we handle our product development, quality inspection, and sustaining lifecycle of products. The transition from a laboratory testing environment to the manufacturing footprint embraces a new strategic approach to looking at technical integration, cost justification, intellectual property, training and learning and overall deployment to a production footprint. The presentation will discuss the challenging diverse business portfolios through innovative leverage points of collaboration, technical synergies for cost effectiveness and rapid deployment of these technologies across the product lifecycle. These emerging technologies are instrumental to the future manufacturing production platform.

Biography: Don is the Director for Assembly and Integration for Boeing Research and Technology (BR&T). In his current assignment he leads of a team of 300 engineers and technicians with responsibility for the development and implementation of technologies used for the assembly of Boeing products. This includes robotic/ automated assembly systems for component buildup, and wings and fuselages assembly, the application of smart tools and information systems to the factory floor to improve assembly methods and situational awareness in manufacturing, new drilling and fastener systems, augmented reality technologies and factory infrastructure projects to improve part logistics and delivery throughout the supply chain.