AR PER ISTRUZIONI DI ASSEMBLAGGIO DINAMICHE E CONNESSE

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Augmented Reality unlocks the value created by the CONVERGENCE of the PHYSICAL, DIGITAL and HUMAN worlds.
THE DIGITAL TRANSFORMATION OF PEOPLE

- Increase Productivity
- Increase Quality and Yield
- Reduce Operational Costs
MANUFACTURING VALUE DRIVERS

Improve Workforce Efficiency
- Reduce attrition
- Improve training
- Improve productivity

Increase Quality & Yield
- Reduce scrap and rework
- Decrease downtime
- Increase revenue

Reduce Operational Costs
- Reduce labor / training costs
- Reduce safety / compliance costs
- Reduce maintenance cost
A digital thread is a single source of data truth creating consistency, collaboration, and alignment across functions through real-time data synchronization. This scalable common set of democratized data enables enterprise-wide accessibility and continuity across products, processes, and people.
DIGITAL THREAD FOR AR
CHALLENGE
Instructions captured on paper or PDF on glass. New shift workers were slower to get up to speed

SOLUTION:
BAE used Vuforia Studio to cost-effectively create immersive Mixed Reality Experiences for Microsoft HoloLens to help improve assembly efficiency of complex battery cells for their HybriDrive buses.

OUTCOMES
BAE reduced training time and Increased production throughput for new front-line workers - while maintaining zero-defect quality standards.
AUGMENTED 3D WORK INSTRUCTIONS
We created work instructions that we were able to deliver to the production floor in hours. And at a tenth of the cost.”

Fran Piascik
Senior Project Manager
Engineering Innovation
PTC UNIQUELY UNLOCKS AR ACROSS THE VALUE CHAIN

**Customer Service**
- Improve customer satisfaction, service quality and uptime
- Technician effectiveness & safety increases via IOT & AR

**Customer Operations**
- Build additional revenue streams
- Improve the end customer experience with self-service and training options

**Corporate/CXO**
- Workforce modernization via digital culture
- Substantial savings on training via AR

**Engineering**
- Create innovative designs and enable virtual team collaboration with AR

**Manufacturing & Supply Chain**
- Increased worker productivity, quality, & safety through AR
- Reduce downtime via IOT & AR

**Sales & Marketing**
- Virtually demonstrate products / configurations in 3D
- Differentiated product/brand experiences