AUGMENTED REALITY FOR PHARMA

Boost workforce accuracy and productivity

ptc

INDUSTRY CHALLENGE	VUFORIA AR SOLUTIONS
Skilled worker shortage	Accelerate training for lower cost
Risk and cost pressure	Eliminate errors and scrap
Regulatory burdens	Confirm and validate compliance

> "Managing risk and cost was most important to me. Losing one batch can cost a pharmaceutical company upwards of millions of dollars in product loss"
>
> *- Former Global & Technology Services, Leading Pharmaceutical Company*

MISTAKES ARE EXPENSIVE

10% of product yield is scraped due to inefficiencies and errors during line clearance

$300M loss in revenue from shutting down operations due to batch contamination

HOW PTC DOES IT

Expert knowledge capture and transfer

Facilitate easy-to-use SOP creation and distribution

Reduce complexity with clear, visual instructions

Guide employees with on-demand, step-by-step instructions

REAL-WORLD RESULTS

PROBLEM	SOLUTION	RESULT	VALUE
High cost of scrap and rework	AR-Guided Operator Instructions	**40%** DECREASE Scrap & Rework	**$18M** Less Scrap & Waste
Costly downtime and production delays	AR-Guided Maintenance SOPs	**28%** REDUCED Unplanned Downtime	**$4.9M** Increased Production Capacity
Expensive and unstandartized training	AR Knowledge Capture & On-theJob Training	**30%** FASTER Training Time	**$3.7M** Increased Knowledge Transfer

READ OUR PHARMA CASE STUDY →

ptc Improve Quality and Compliance with Augmented Reality