



FINNISH  
INDUSTRIAL  
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FORUM

PDSVISION – FIIF EVENT: XR IN INDUSTRY

# Training for the Future: Immersive AR Work Instructions

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PDSVISION

# ABOUT PDSVISION



- Founded in 2008 with HQ in Stockholm and operations in 10 markets
- Leading partner to PTC Inc. (Platinum) in Europe and US and growing partner for Ansys
- Leading provider of software solutions and services for industry digitalization
- Own applications development

*“PDSVISION is the preferred advisor for your digital transformation journey. The company to work for and with”*

CONFIDENTIAL FIIF XR SEMINAR

**120+**

MEUR Turnover

**3500**

Customers

**Pt**

PTC Platinum partner

**400+**

Employees or FTEs

**<5%**

Annual churn

**12**

Countries

EXAMPLE CUSTOMERS



CONFIDENTIAL FIIF XR SEMINAR

# GLOBAL CHALLENGES AND TRENDS

## GROWING WORKER SKILLS GAP



A high percentage of workers are **eligible to retire in manufacturing** space over the next 1-2 years 58% (3-5 years 52%)

## INEFFECTIVE TRAINING METHODS



Without consistent repetition and reinforcement of work-related concepts, **workers will forget 50% of information within one hour** and 70% within 24 hours and **90% over a week**

## EVOLVING CUSTOMER & USER DEMANDS



Customers and users start **demanding transparency and personalized content and experiences**

Now more than ever before, responding to customer demands & offering **differentiated** products & services is **paramount to remaining competitive**

## NEGATIVE PRECEPTIONS OF INDUSTRIAL WORK



In a recent poll, 61% of teenagers perceived that a **manufacturing career entailed a dirty, dangerous place** that require little thinking or skills from its workers and **offers a minimal opportunity for personal growth or career advancement**

THE BUSINESS GOALS REMAIN THE SAME



Increased Revenue



Less Time



Reduced Cost

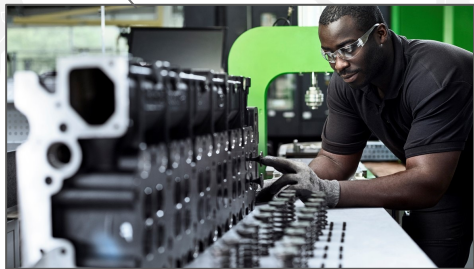
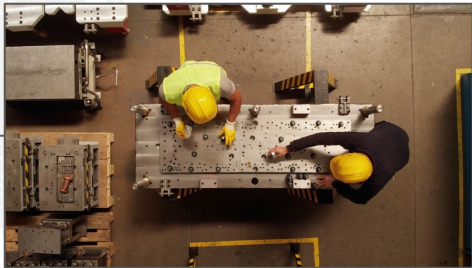


Improved Quality

# WORKFORCE IN THE MANUFACTURING INDUSTRY



75% of workers are on the front-line



# INDUSTRIAL LEADERS FACE OPERATIONAL CHALLENGES

## Inefficient Knowledge Transfer

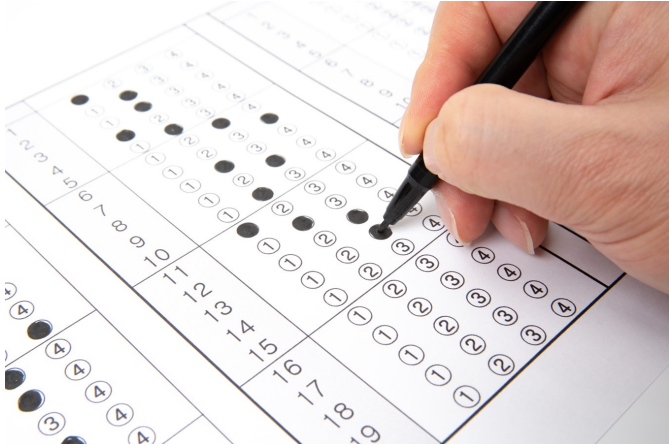
Difficulty keeping up-to-date



Out-of-date paper-based instructions

## Inefficient Data Capture

High risk of human error



Time-consuming to capture expertise

## Long Shelf Time

Data may get lost



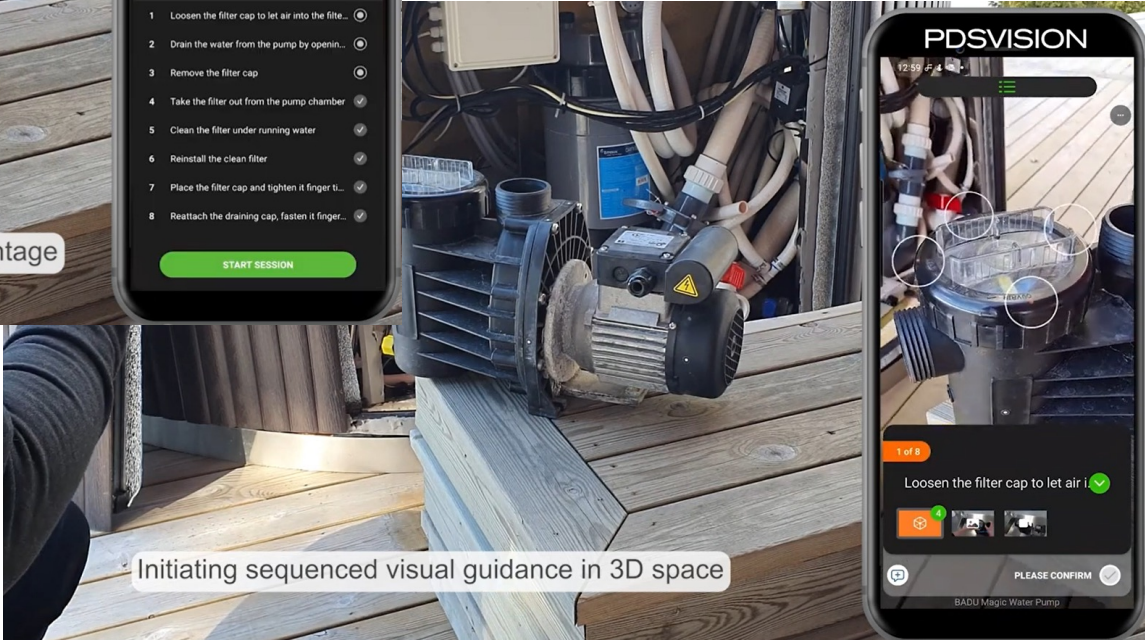
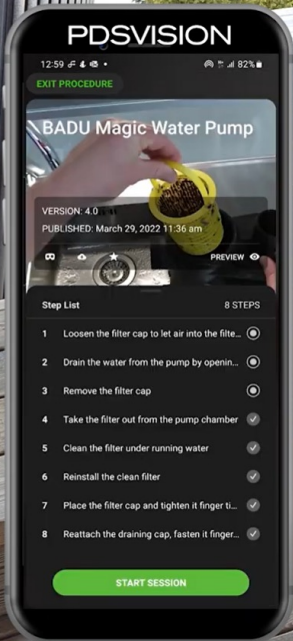
Lack of documentation for compliance and safety

# IMMERSIVE AR WORK INSTRUCTIONS

From traditional methods



To digital at the frontline



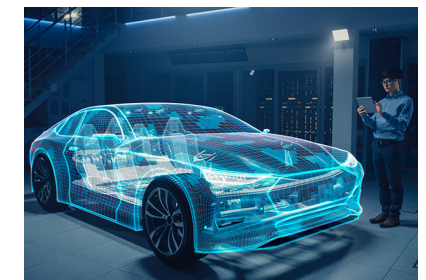
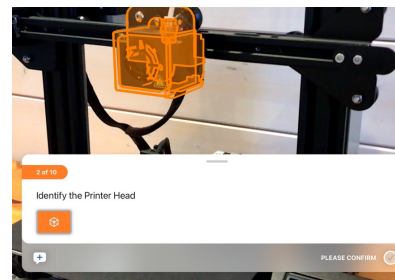
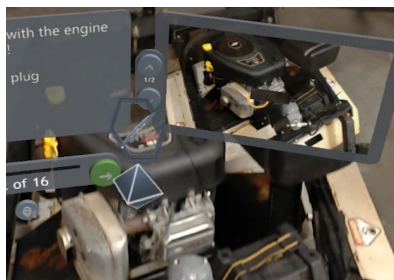
Digital Work instructions allow companies to reduce cost and safety risks, while simultaneously increasing workforce efficiency and the ability to capture essential knowledge.



## VUFORIA ENTERPRISE AR SUITE

Out-of-the-box AR offerings that deliver ease-of-use and fast time-to-value

Highly differentiated, innovative, flexible AR development tools



CONFIDENTIAL FIIF XR SEMINAR

vuforia® chalk™

vuforia® expert capture™

vuforia® instruct™

vuforia® studio™

vuforia® engine

← “Solution-centric” →

← “Platform-centric” →

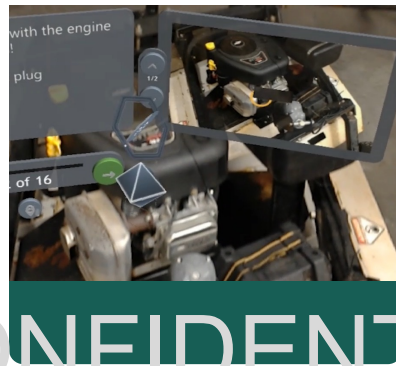
# VUFORIA SOLUTIONS – HIGH VALUE USE CASES



vuforia® chalk™

## For Remote Assistance

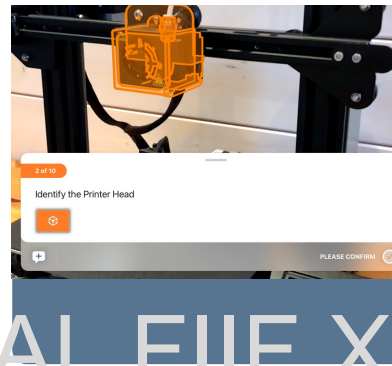
Allows you to “see what I see” and annotate in a shared workspace



vuforia® expert capture™

## For Workforce Productivity

Rapidly capture, transfer and scale 1<sup>st</sup> person perspective expert knowledge



vuforia® instruct™

## For Quality Assurance

Fast and scalable authoring and sharing of 3D work instructions within “smart” workflows



vuforia® studio™

## For AR Content Creators

Powerful AR content creation and publishing platform combining PLM, CAD, enterprise system data, and IoT



vuforia® engine

## For Branded AR Experiences

Powerful AR content creation and publishing for product demonstrations, brand campaigns and brand applications.

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Up to 40%

↑ Improvement in New Hire Productivity

Up to 30%

↑ Improvement in First-Time Fix Rate

Up to 50%

↓ Reduction in Training Costs

Up to 36%

↓ Decrease in Manufacturing Cycle Time



# LIVE DEMO

For company specific demonstrations, please contact us

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