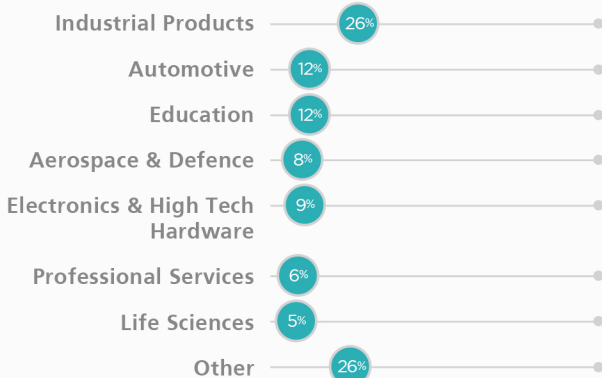# Augmented Reality Usage in Training

According to PTC's State of AR 2019 report, AR in training is being used in the following ways.
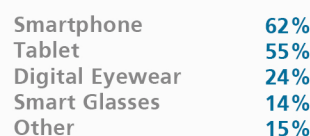
6%

JOB-SPECIFIC TRAINING
Interactive and situational training that overlays 3D instructions for job tasks and assignments enabling hands-on and traditional training to be simultaneous.

SAFETY & SECURITY TRAINING
Overlaying of 3D instructions on security and safety procedures to prepare employees to handle potentially life-threatening or dangerous situations.

3%

3%

EXPERT COACHING
Remote expert collaboration enables employees to access insights in real-time on specific job processes or tasks.

KNOWLEDGE TRANSFER
Enabling employees with remote expert collaboration to access insights in real-time on specific job processes or tasks.

3%

6%

SERVICE MANUAL INSTRUCTIONS
Bringing a technical manual to life with in-context support.

MACHINE WORK INSTRUCTIONS / OPERATOR & ASSEMBLY WORK INSTRUCTIONS / AUGMENTED OPERATOR MANUAL
Instructions for how to operate industrial machinery.

17%

62%

OTHER NON-TRAINING CATEGORIES

AUGMENTED REALITY ADOPTION BY INDUSTRY
Which industries are adopting AR?

Industry	%
Industrial Products	26%
Automotive	12%
Education	12%
Aerospace & Defence	8%
Electronics & High Tech Hardware	9%
Professional Services	6%
Life Sciences	5%
Other	26%

AR DEVICE USAGE
What devices are AR experiences being delivered through?

Device	%
Smartphone	62%
Tablet	55%
Digital Eyewear	24%
Smart Glasses	14%
Other	15%

Source: PTC State of Industrial Augmented Reality 2019 www.ptc.com