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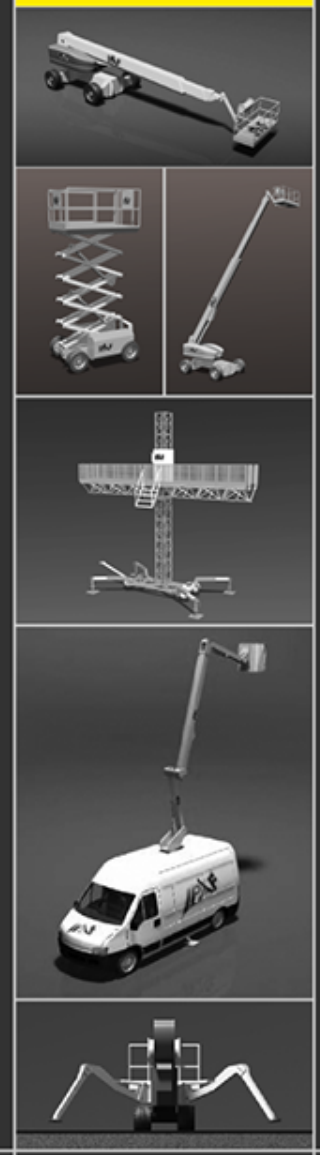
IPAF's Global VR/Sim Consultation

Giles Councell
Director of Operations,
International Powered Access Federation (IPAF)



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IPAF's Global VR/Sim Consultation

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- Brief introduction to IPAF
- Learning techniques
- History and development of learning technologies
- Face to Face training versus new technologies
- The Future - IPAFs Consultation

2018 IPAF summit

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International Powered Access Federation (IPAF)

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The objects of the Federation are to provide goods and services for the powered access industry, including education, training, and research, and representing and promoting the interests of its members at national and international level.

2018 IPAF summit

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IPAF Training – Argentina to Zambia

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Chinese
English
English – US
Czech
Dutch
French
German
Hindi
Italian
Korean
Polish
Portuguese
Spanish
Turkish

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International Training

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International ideas to local training

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Learning from accidents

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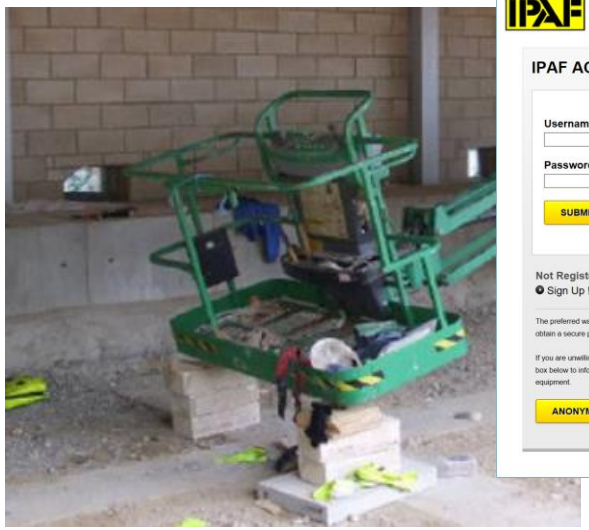
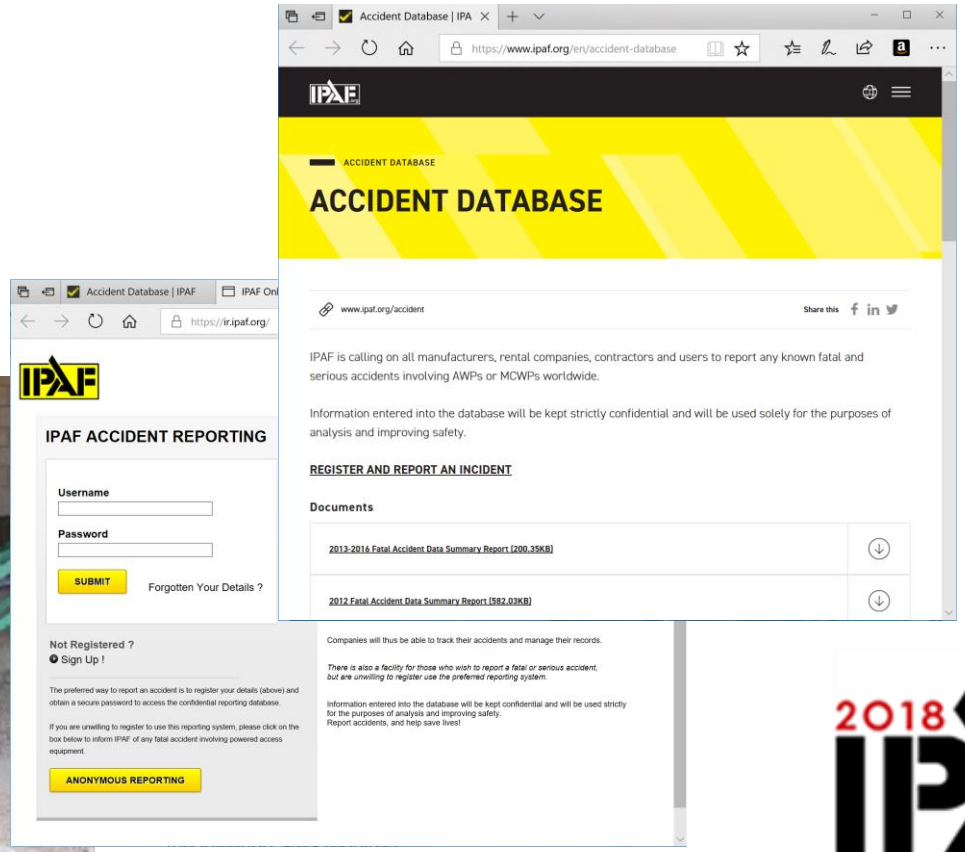
- **Aims and objectives**
- **How we use the information**





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IPAF courses

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IPAF Operator course

1 to 3 day course

Theory test

Practical assessment

TÜV certified to ISO 18878

700+ IPAF-approved training centres worldwide

164666 people trained in 2017

725,779 VALID PAL CARDS WORLDWIDE

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Is traditional
training boring?

We have come a long way

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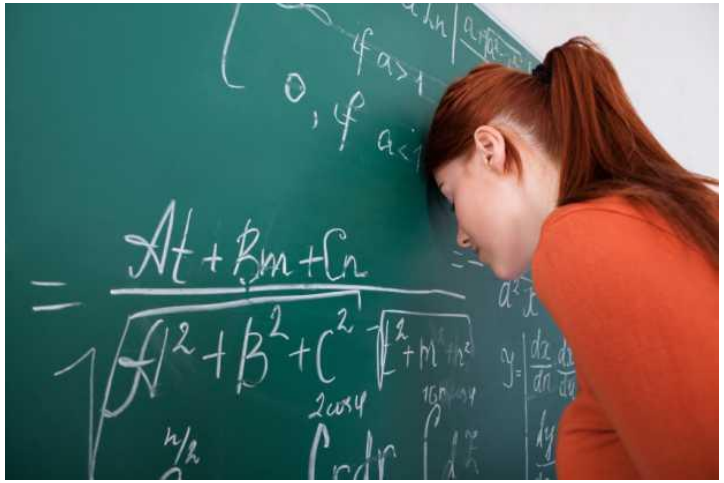

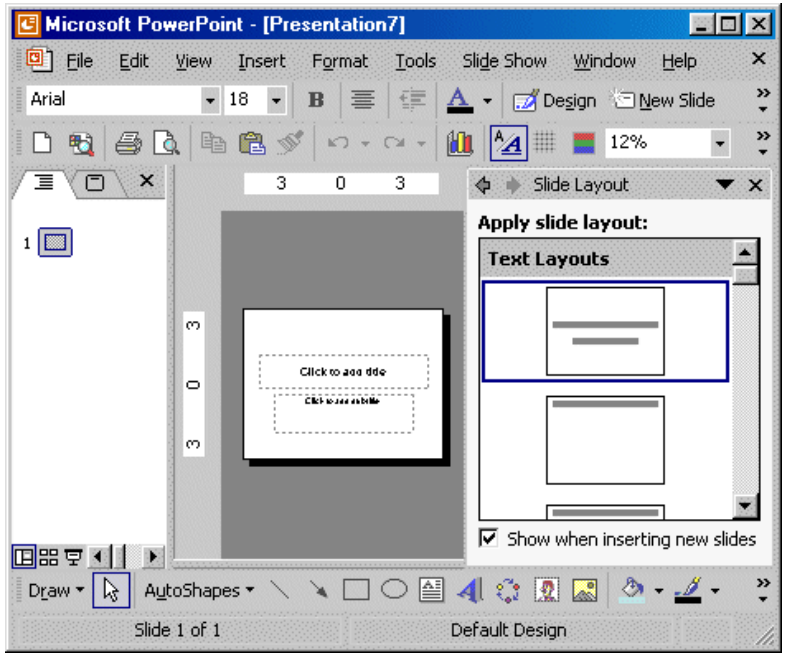

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The workforce is changing

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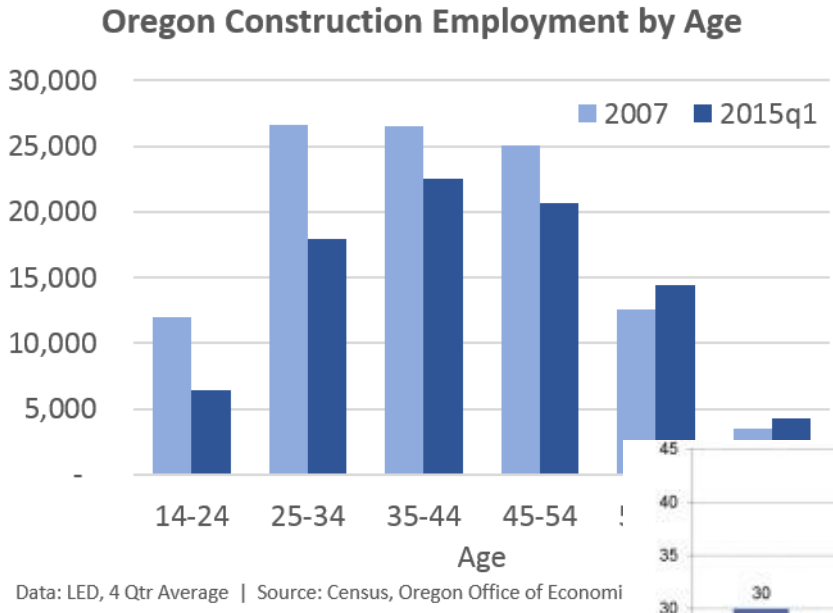
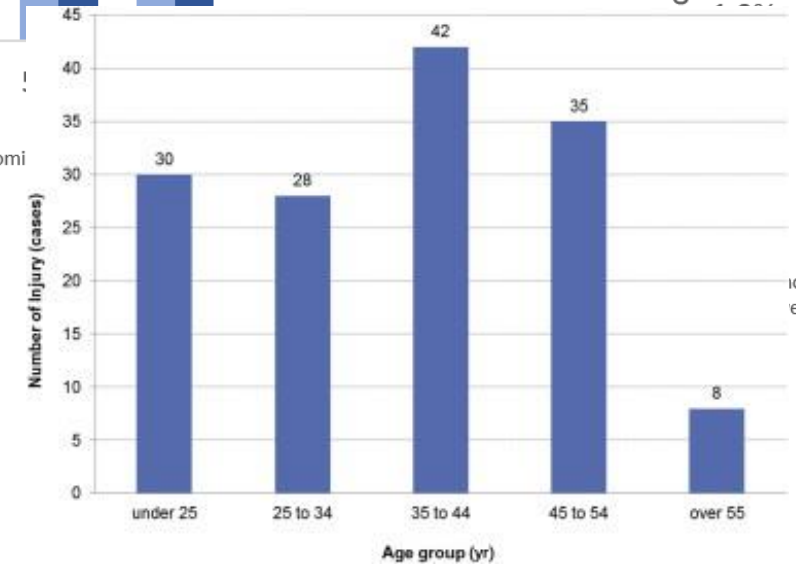
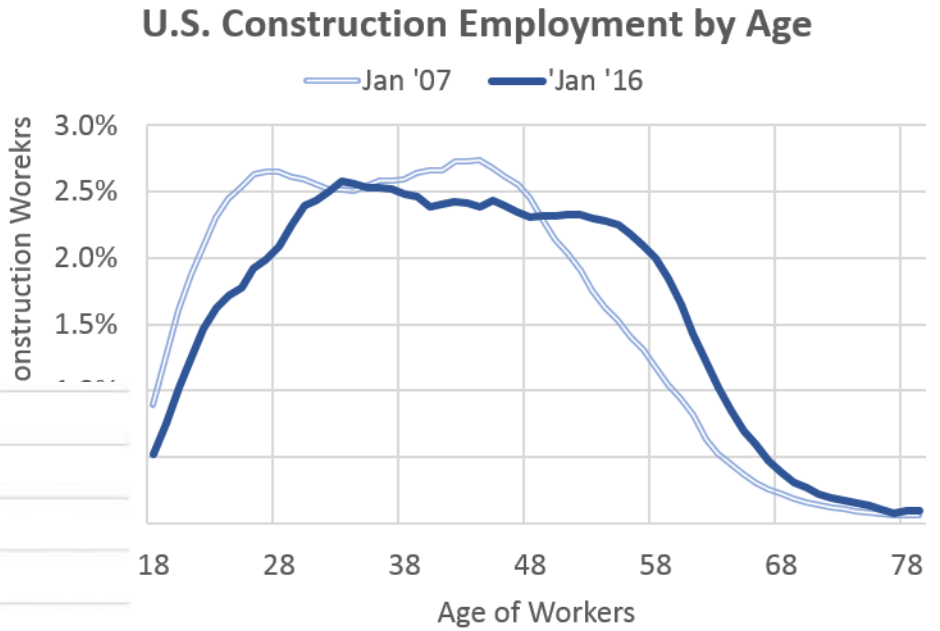


Data: LED, 4 Qtr Average | Source: Census, Oregon Office of Economi





onth averages of smoothed 5 year age groups. E.g. values for 18 year old workers represents
een 16 and 20 years old. Source: BLS, Census, Oregon Office of Economic Analysis

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How do we engage the workforce?

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How Humans Learn

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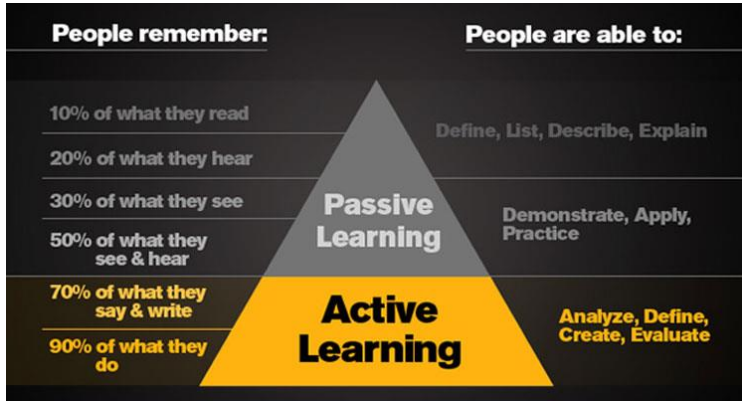
Neil Fleming VARK model 1987



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How Humans Learn

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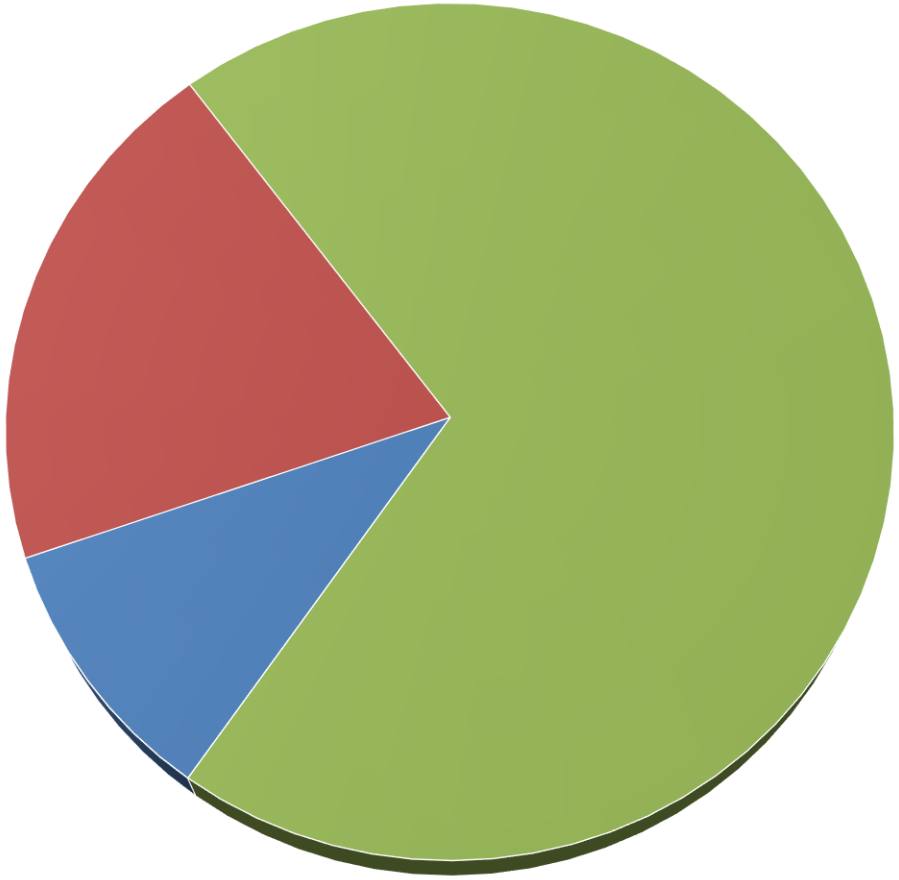

- 10% Formal:

structured programmes, activity-based workshops
seminars and masterclasses
professional development, business schools
eLearning modules and courses

- 20% Social:

mentoring, reverse mentoring, coaching, informal feedback
internal and external networks, teamwork, professional associations, action learning

- 70% Experience:

on-the-job experience, applying new learning in real situations, **solving problems**, special assignments, **project reviews**, reading guides & manuals, new work within role, **increased span of control**, exposure to other departments and roles **stretch assignments**, community activities

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Pre-use inspection

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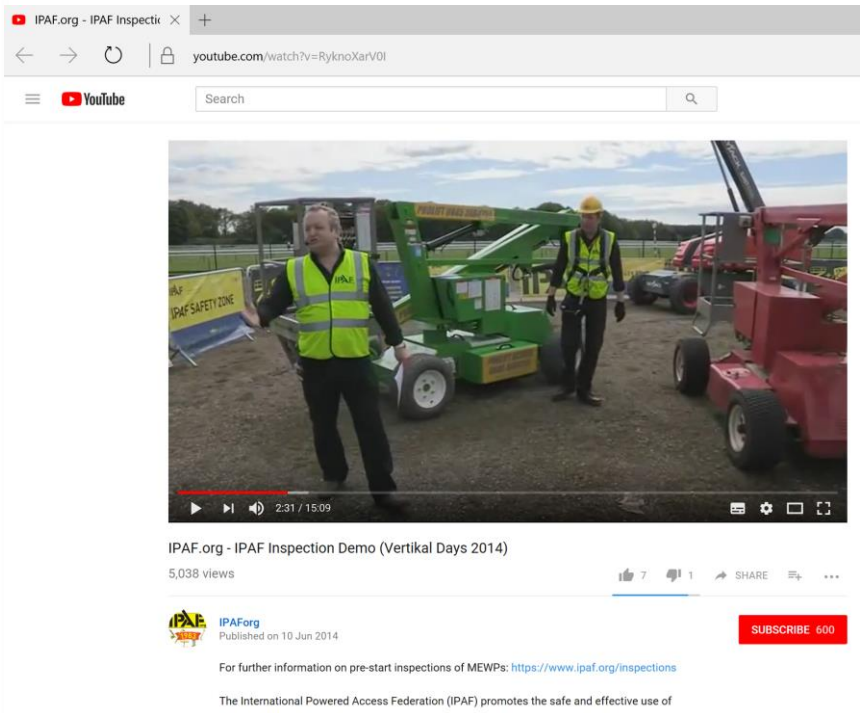

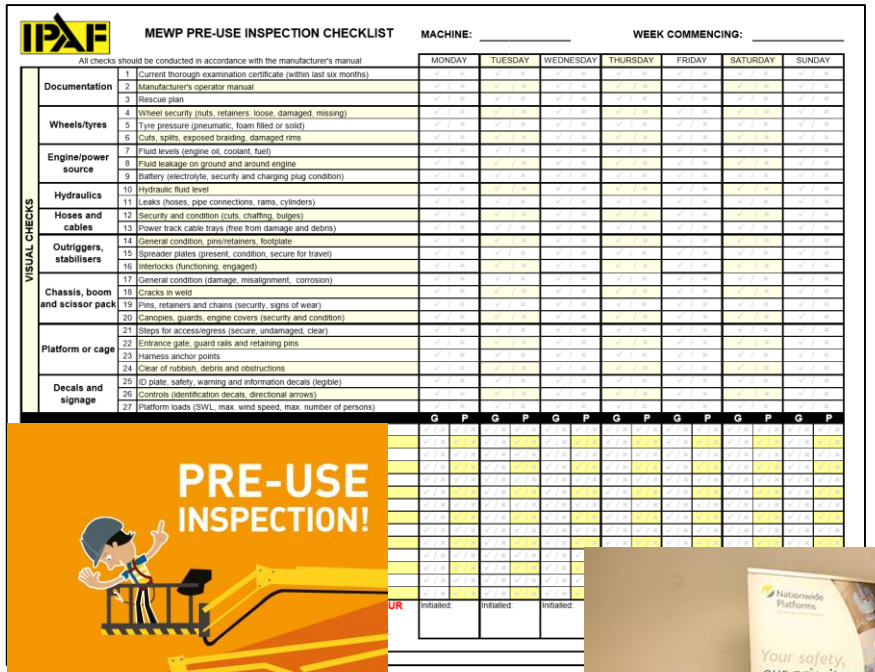

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Andy Access – toolbox talks

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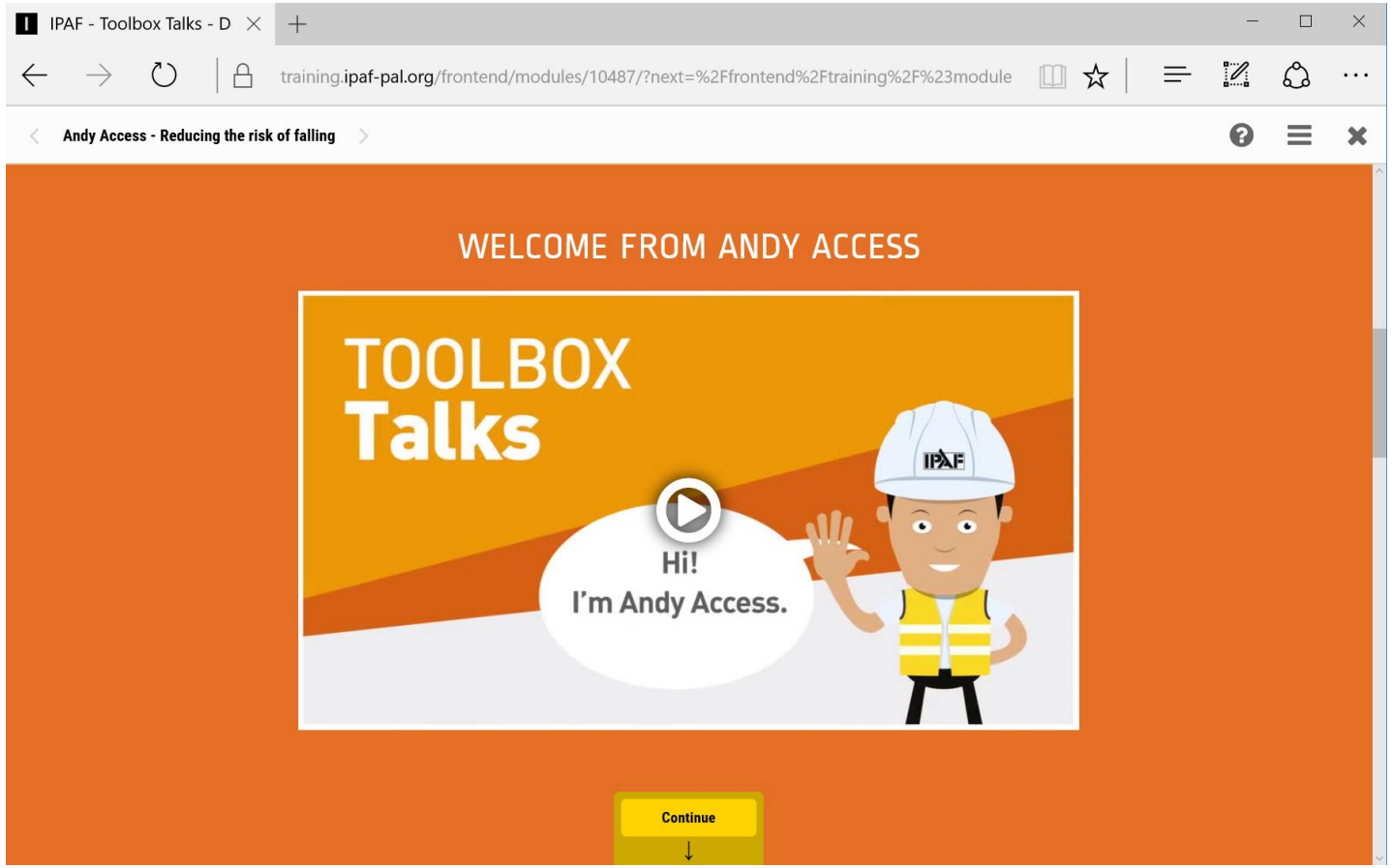

Download posters from www.ipaf.org/andyaccess

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Pre-use inspection

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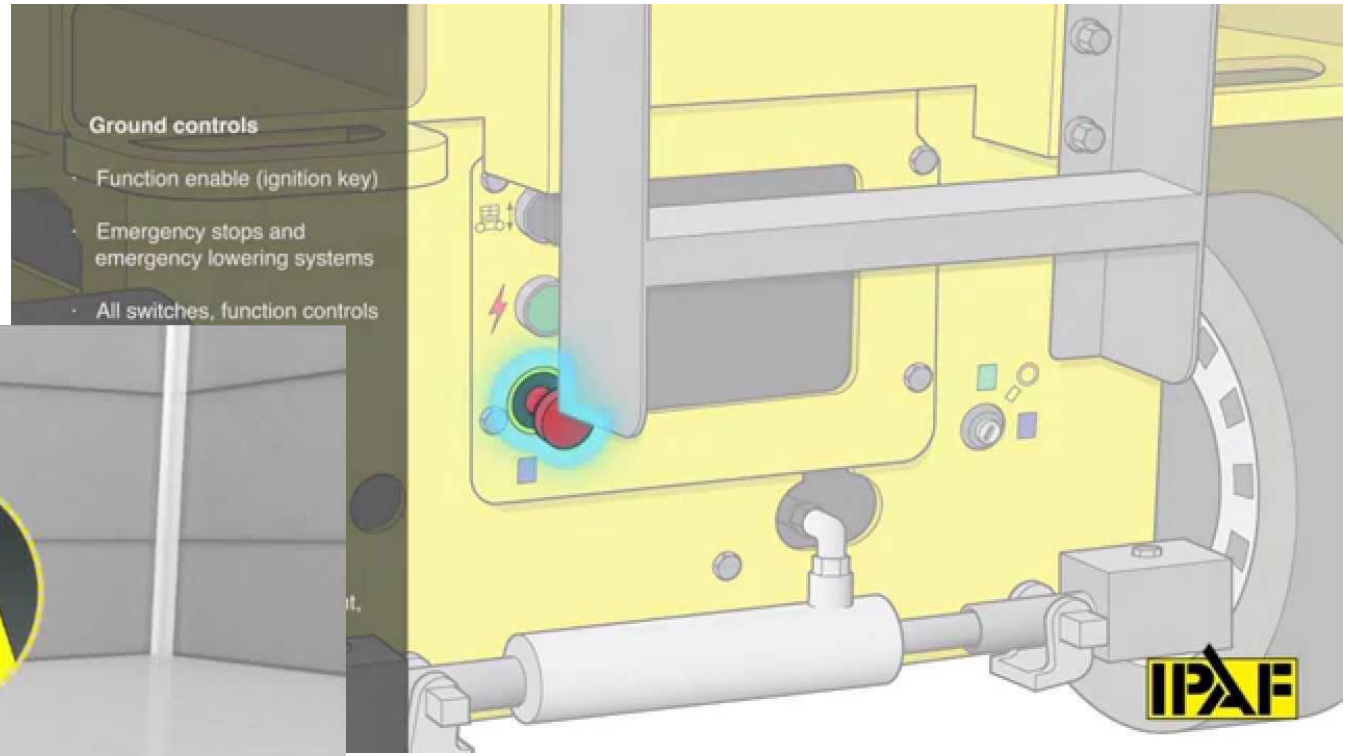

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Virtual Reality (VR)

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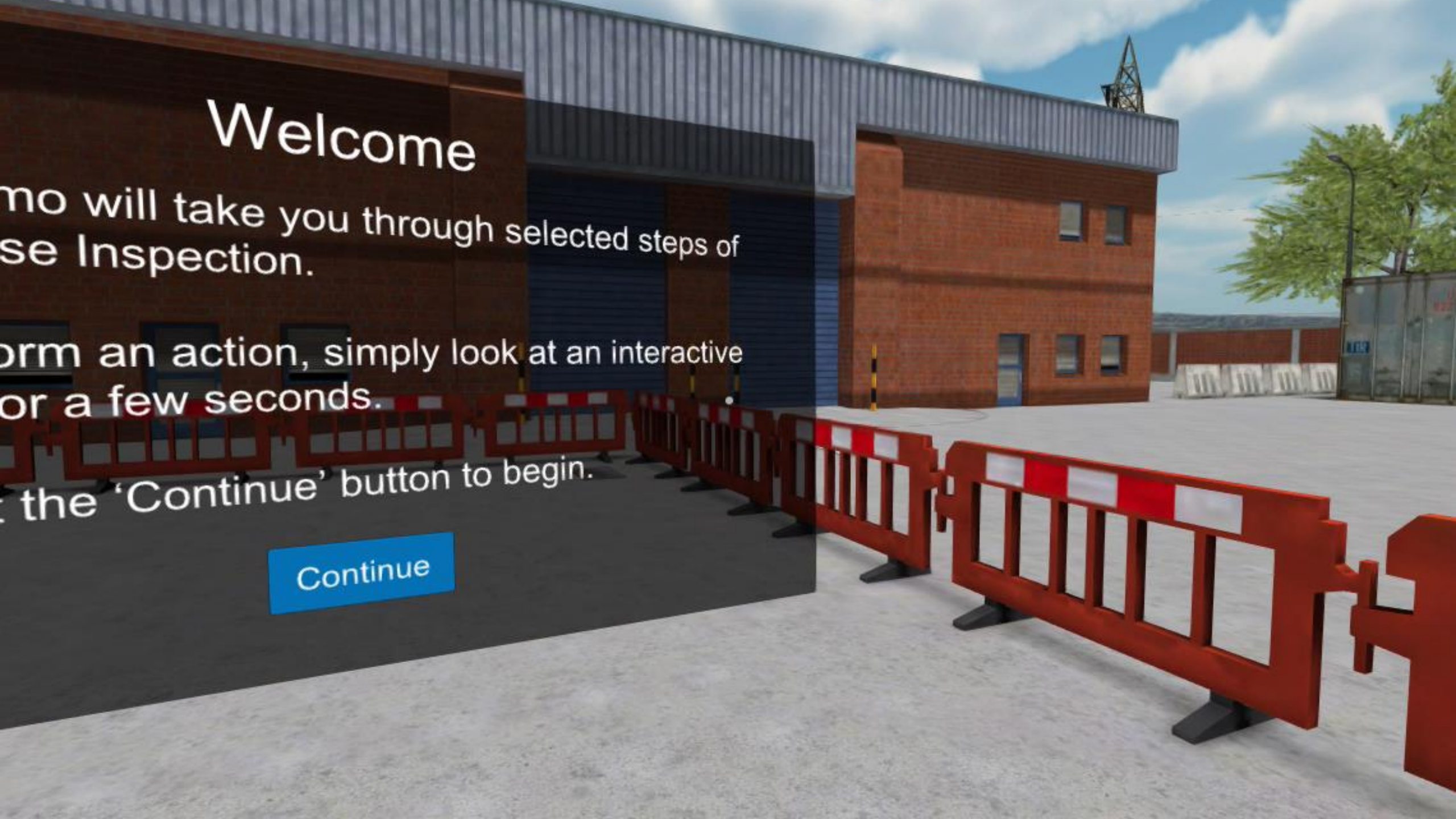
Welcome
mo will take you through selected steps of
se Inspection.
orm an action, simply look at an interactive
or a few seconds.
the ‘Continue’ button to begin.
Continue

VR Simulation / Gamification

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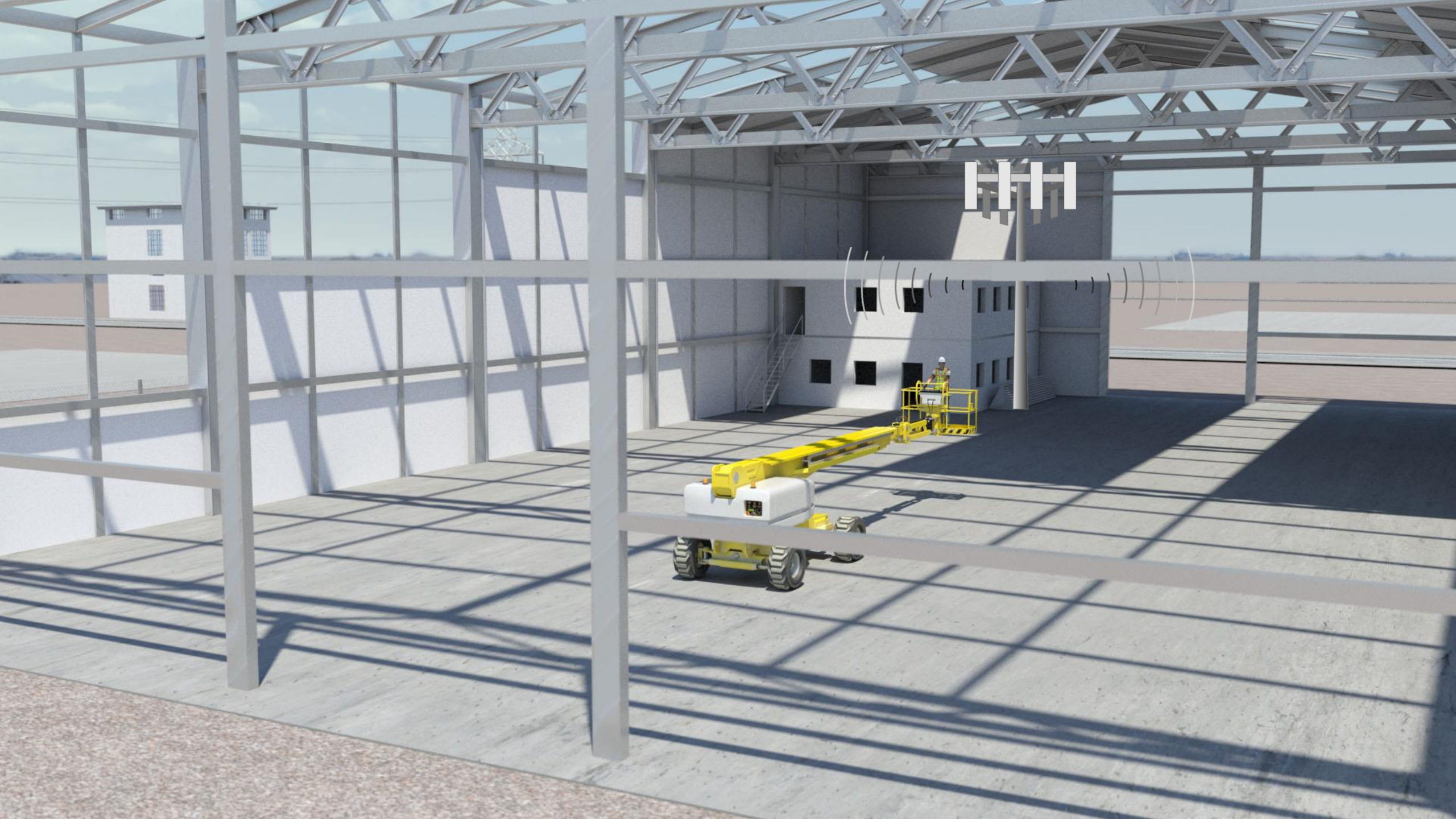

Augmented Reality

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Augmented Reality – Pre-Use Checks

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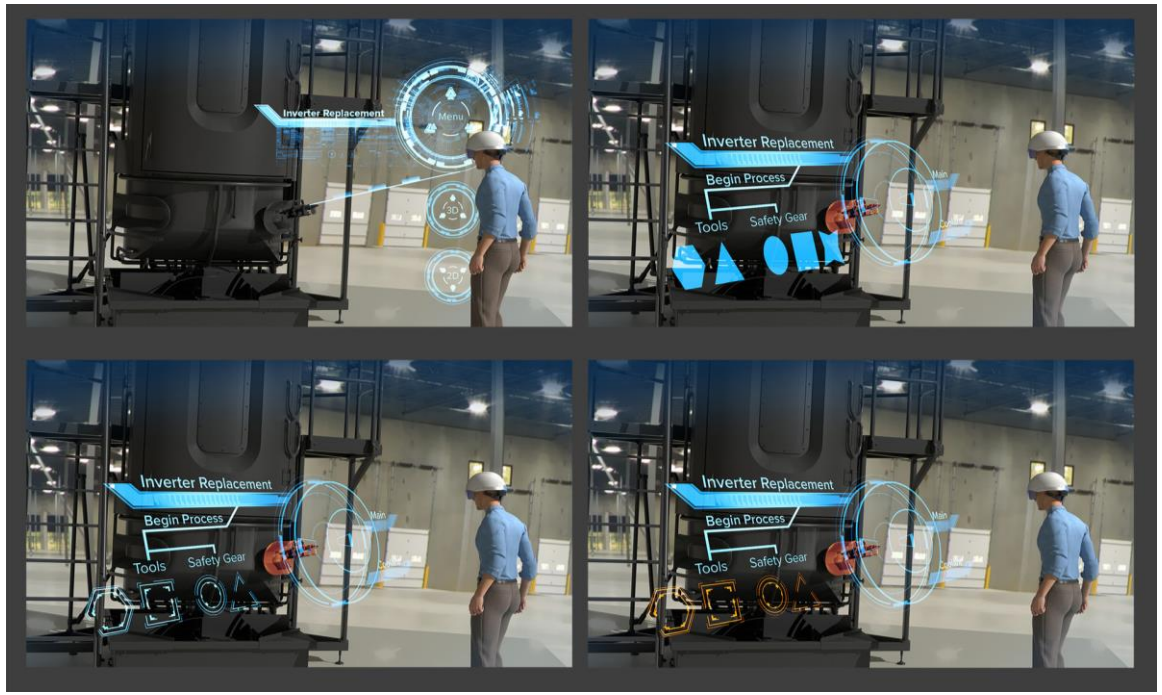

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New vs Traditional ?

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The Future? – IPAF's Global VR/Sim Consultation

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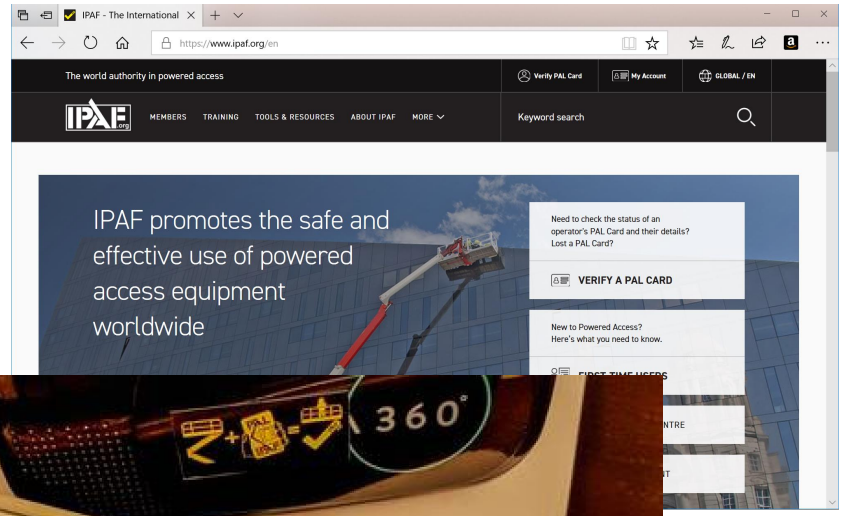
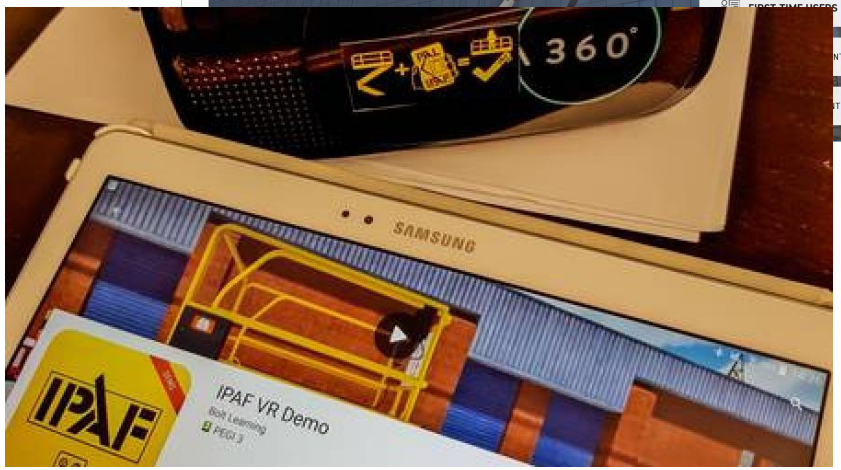
- Digital Questionnaire
  March 2018 – April 2018
- Review of feedback from questionnaire
  May 2018
- Working Group Review/Proposals
  May 2018 – June 2018
- Outcome of consultation agreed by IPAF Training Committee
  July 2018





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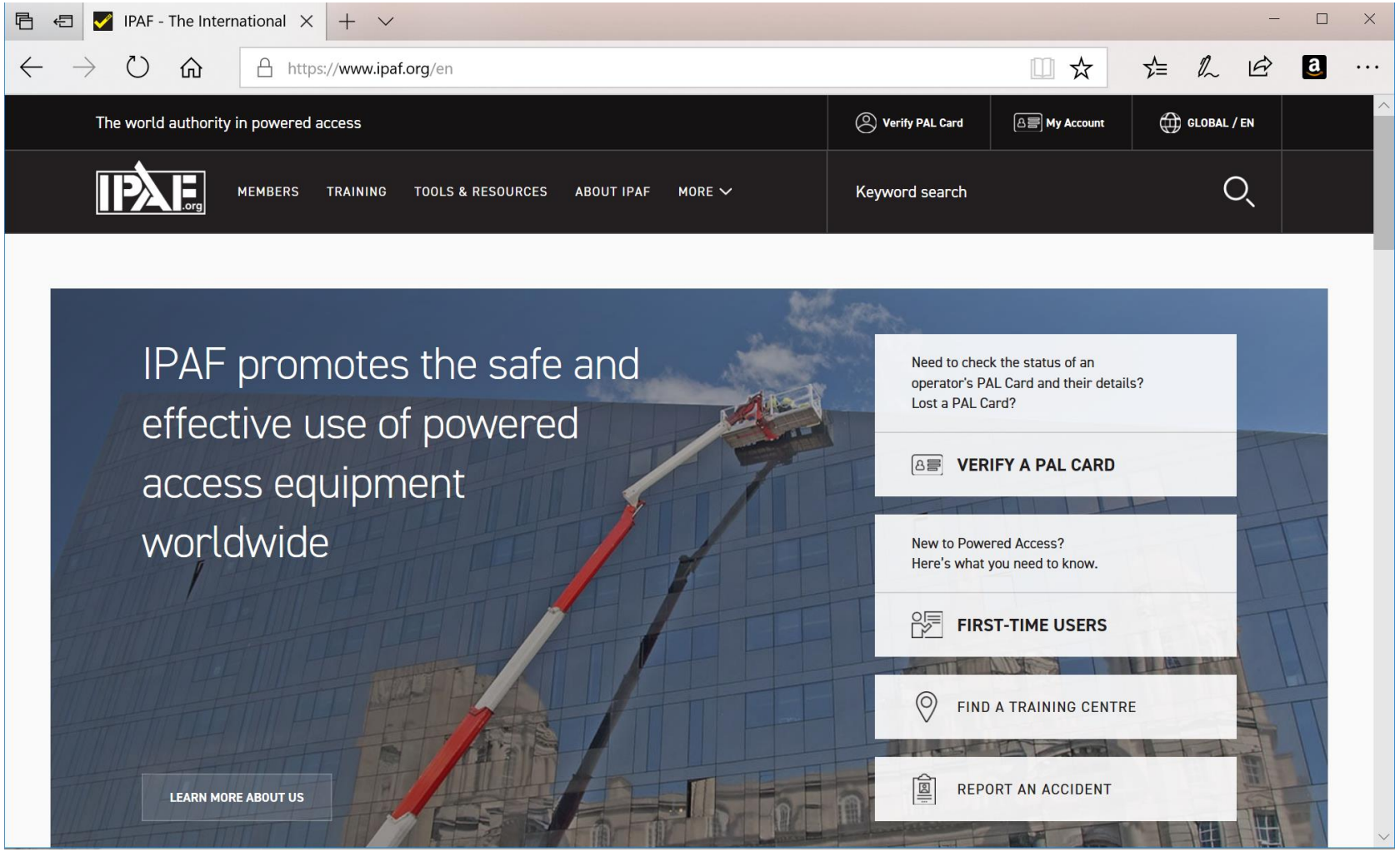

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Thank you

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