



CitA BIM Gathering 2017, Croke Park, November 23rd & 24th, 2017



Information Technology for Site Workers

- It is only when foremen, supervisors and site managers have developed knowledge and skills in the use of IT through wireless devices that the • many benefits of BIM, Lean Construction and quality control processes will be fully realised to the benefit of construction companies and their clients
- Quality control
- Certification under BC(A)R
- Greater efficiency Better control of resource use
- Facilitates
- Greater accuracy in a number of processes

Information technology (IT) on building sites can provide

Context

- A high level of communication exchange at all times
- Easy recording of a wide range of information



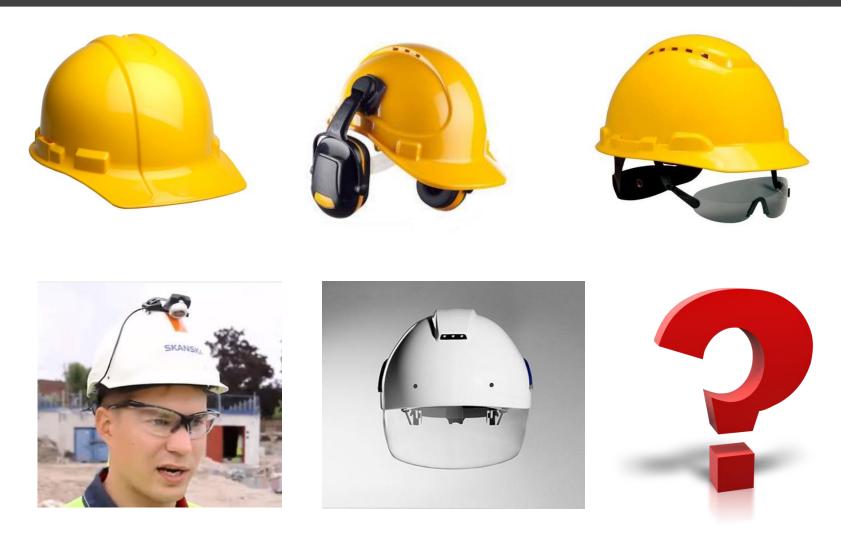


Disruption; Convergence; Collaboration



"A digital transformation knows no boundaries, it disrespects tradition & slays scared cows, change is inevitable"





















4D Work Instructions

Your organization can provide intuitive augmented work instructions to your workforce. Workers will understand processes quicker, spend less time on each step, and make fewer errors. Augmented work instructions shown step- by-step in context of the job performed increase efficiency, save money, and provide valuable process improvement analytics.

Thermal Vision

DAQRI Thermal Vision provides DAQRI SMART HELMET" users with the ability to see or passively record temperature data in their real world environment. By identifying unsafe working conditions, Thermal Vision creates a safer environment for the operator. Seeing thermal characteristics may indicate the need for maintenance or additional monitoring.

Data Visualization

Data visualization gives users distributed information and situational awareness outside of the control room, gaining efficiency by reducing the amount of movement and the need for a centralized location.

Remote Expert

Increase productivity and safety with quick access in real time to domain experts. Remote Expert allows any DAQRI SMART HELMET" user to connect to an expert at any time, regardless of the current activity, to get the help they need to complete tasks. It also offers the ability to share and annotate display screens. The expert can remotely see the environmental context of the DAQRI SMART HELMET[™] user in real-time; enabling precise and informed assistance with the end result of increased reliability and operational excellence.

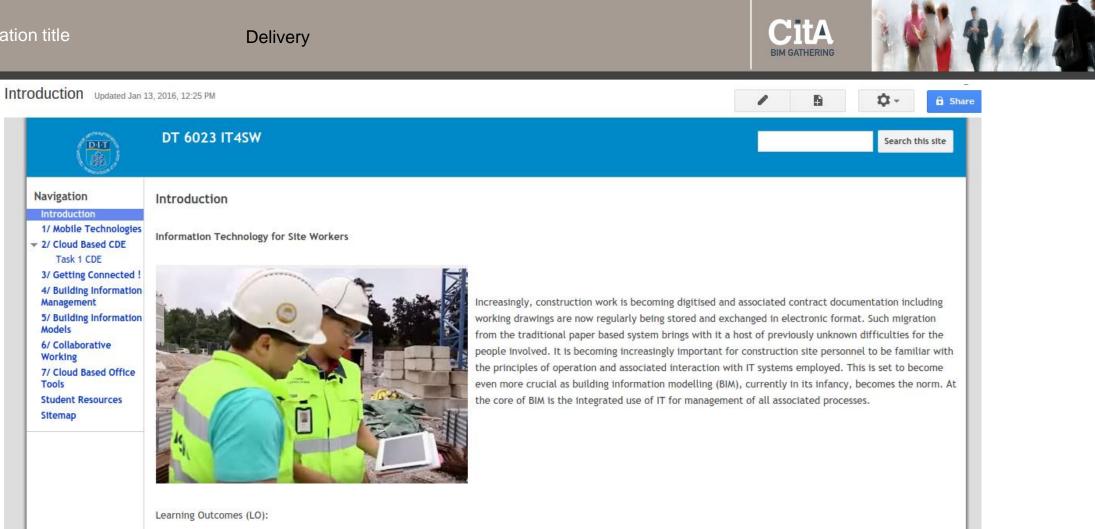
- CPD certificate in IT for Site Workers is a one semester, parttime, upskilling programme for construction site workers.
- Suitable for site workers who wish to carry out their existing work in a more efficient & inter-connected way; or expand their role, progress their career, re-skill or seek employment.
- Content will be delivered via lectures, practical workshops and tutorials.
- Structured & resourced to provide a positive student experience & appropriate support services.
- A low teacher-to-student ratio to ensure good learning and student retention, given many students may be unfamiliar with many IT concepts and tools, and potentially 3rd Level education.

- Academic level
- Suitable for site workers with QQI Level 6 Advanced Craft Certification, or other relevant QQI Level 6 or 7 awards
- QQI Level 5 may be admitted where relevant prior learning
- Engagement and CPD requirements of CIRI
- 48 hours of structured learning & 52 hours of self-directed learning (much using current projects on site)
- Generally 3 hours Wednesday afternoons & 4 hours of study per week
- Attendance protocol
- Provides CPD under Pillar 3 (Technology & Innovation) for Supervisors and Craft Workers.



Legend

Wk.1	Wk.2	Wk.3	Wk.4	Wk.5	Wk.6	Wk.7	Wk.8	Wk.9	Wk.10	Wk.11	Wk.12	Wk.13
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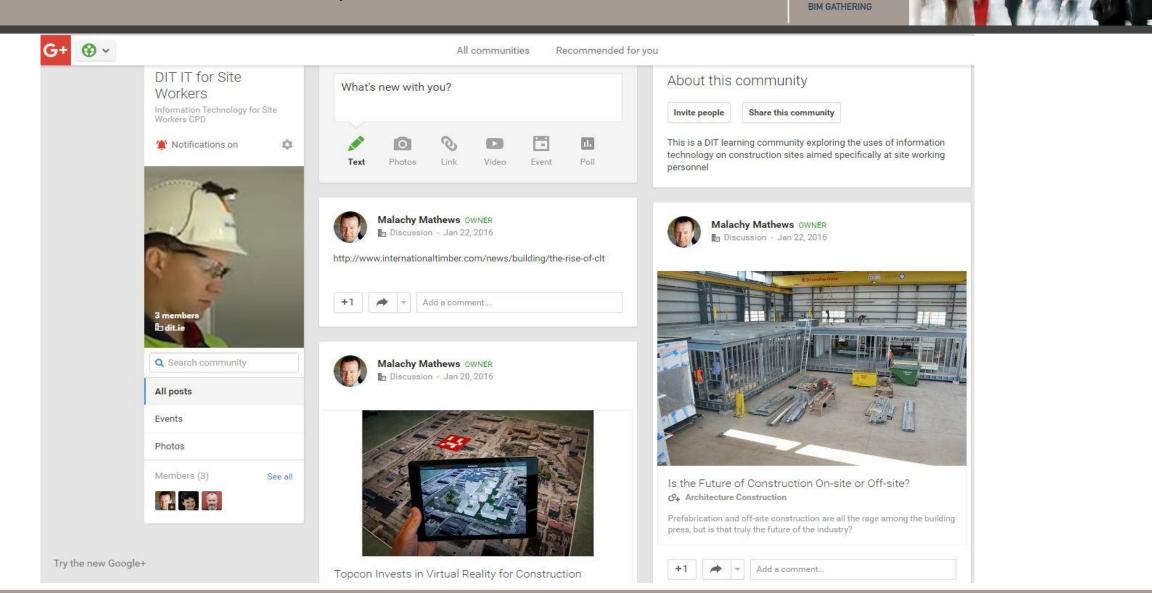


On Completion of this module, the learner will be able to

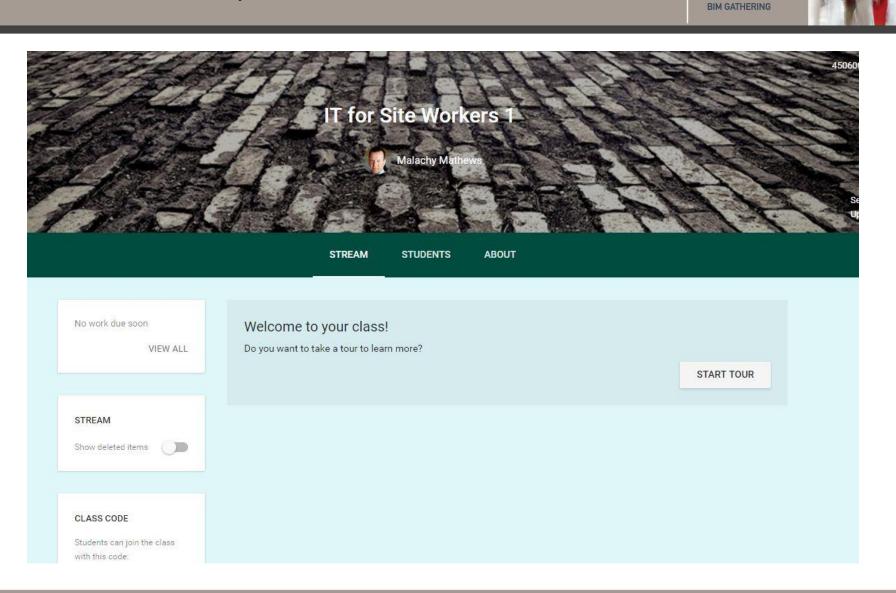
1 Work within a cloud-based Common Data Environment (CDE) for the purposes of construction site and office activity.

IT4SW

Delivery



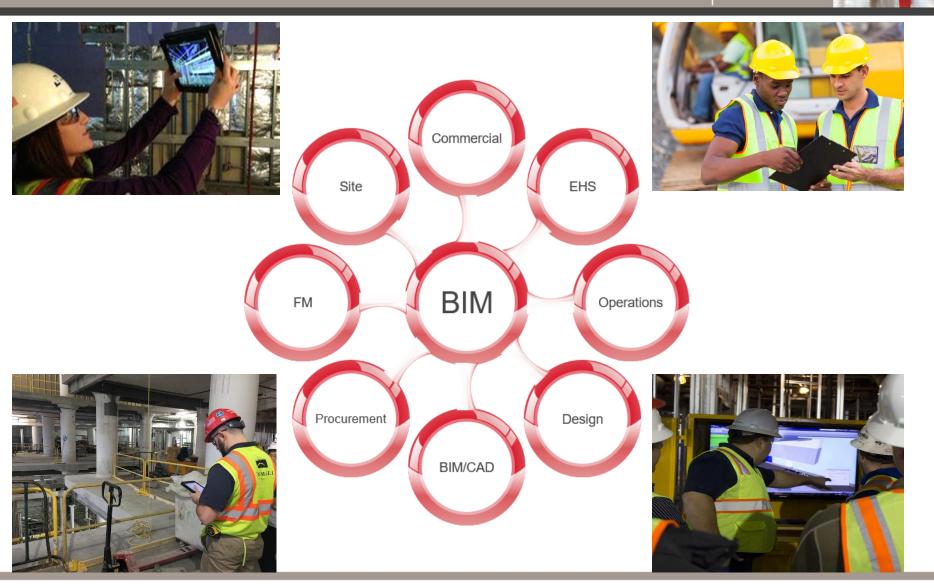
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Building Capabilities in Complex Environments

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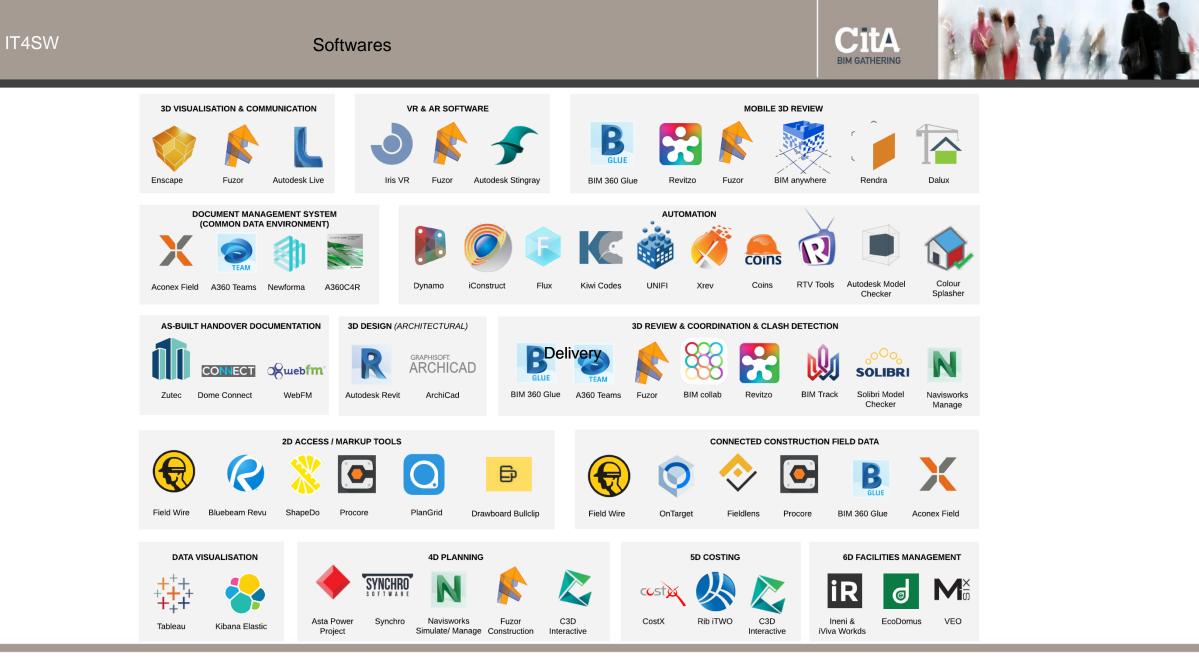


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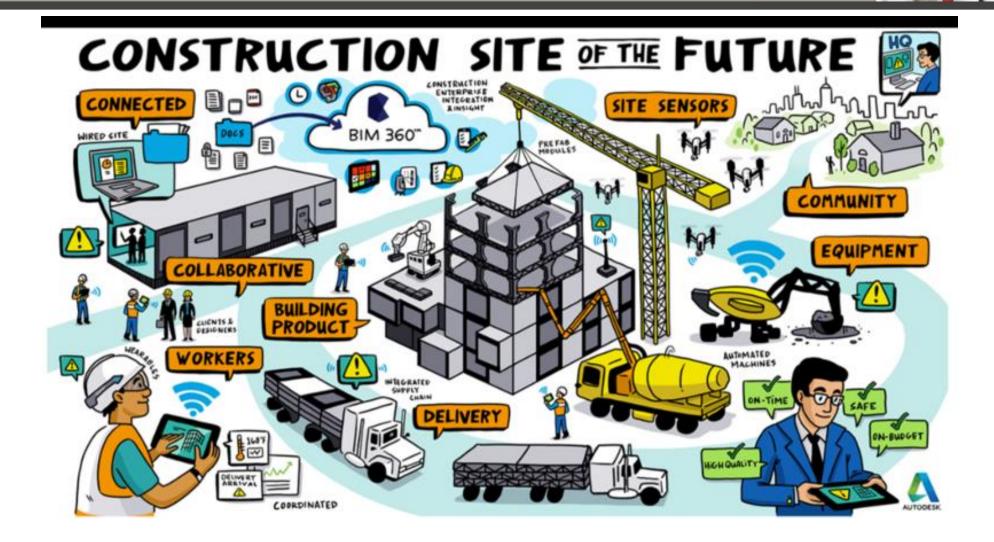
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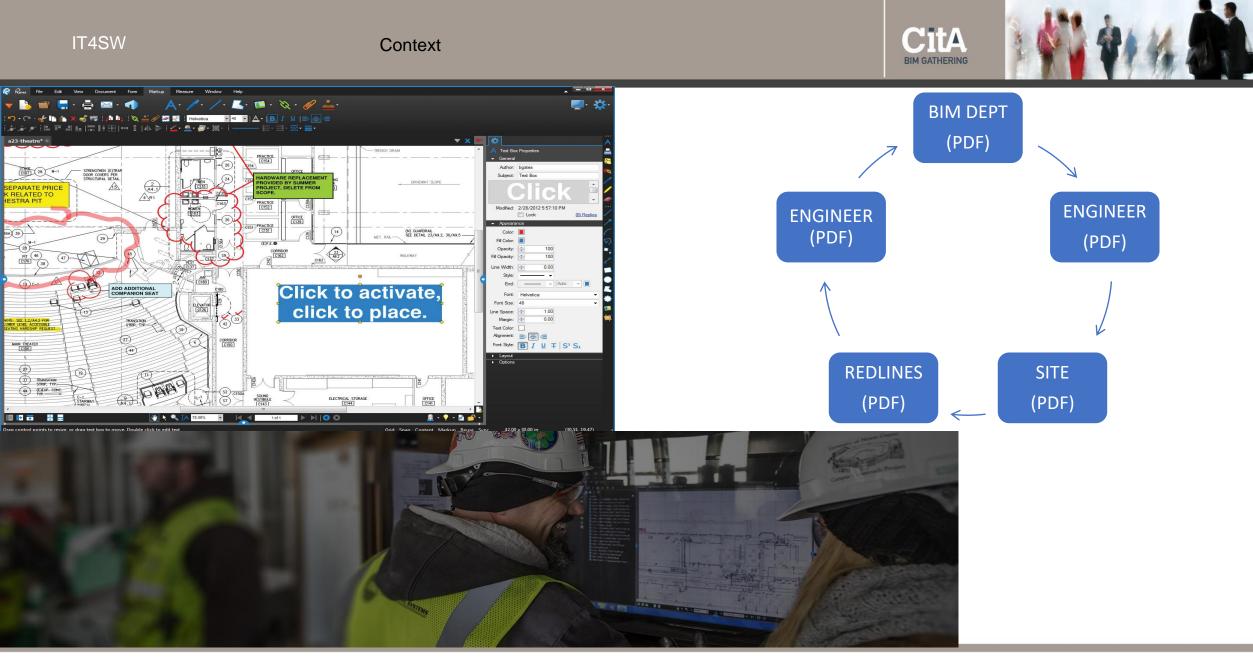


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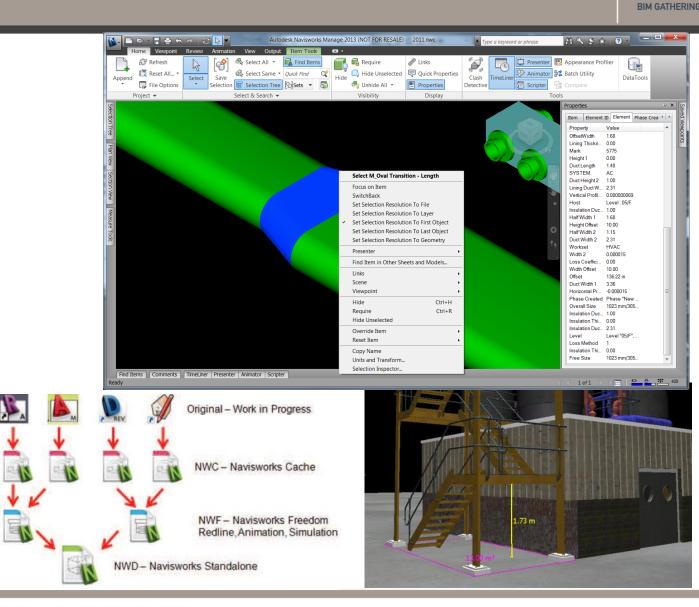


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Context



- FILE TYPES
- INTERFACE
- NAVIGATION
- **PROPERTIES**
- VIEW POINTS
- INTERAGATION



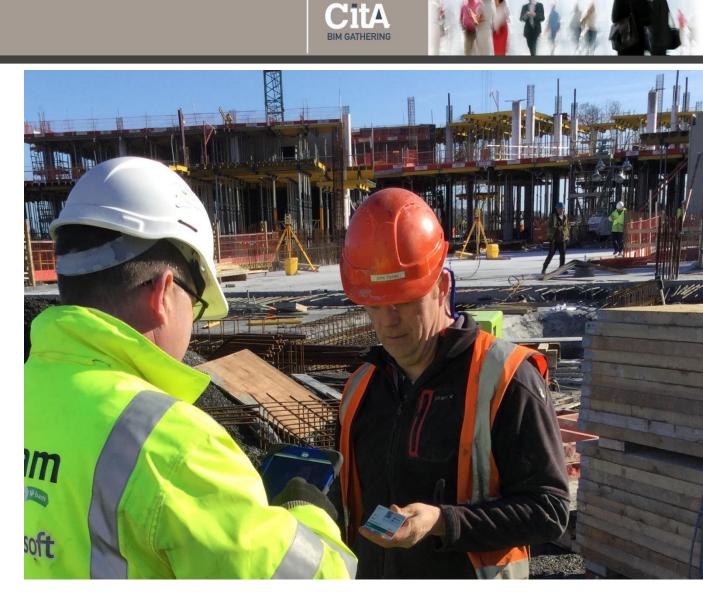
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Joseph Mady