



# DIGICON

## 2020

## Opening Address:

The true impact of Digital Construction amid a global pandemic...

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Established 1859

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- The Importance of Digital Construction amid a global pandemic.
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# The Importance of Digital Construction amid a global pandemic

- The COVID-19 pandemic presents one of the greatest challenges we have seen during our lifetimes, across all sectors – business, public and private.
- Digital Construction became critical to maintaining productivity where possible.
- Phenomenal Growth in collaboration platforms such as Zoom, Microsoft Teams, Go to meeting, Google Hangout enabling project Teams to connect and collaborate remotely.





# CIF – Digital Support for COVID 19 Remote Working

- Developed by the CIF Construction 4.0 Committee
- We wanted to give members of the industry guidance on working remotely with Digital Construction during COVID-19
- This new or continued way of working can be carried on into future Construction Projects following the successful implementation in your business.
- Download for free here:

<https://cif.ie/2020/04/25/working-remotely-virtual-design-construction-vdc/>



# CIF – Support for COVID 19 Remote working

- The goal of the document is to provide direction to organisations within the construction industry on basic digital requirements to allow remote working including; Digital Strategy, Guidance, Protocols, Hardware/ Software.
- This document is **not** just for BIM projects but for digital working as a whole across the sector.

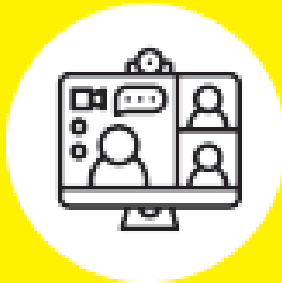


# Digital Construction Tools and BIM processes



## Work from Home

Facilitate remote working



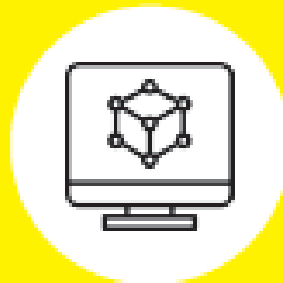
## Web Meetings

Avoid face to face meetings  
Use Teams, Zoom or Skype Meetings  
Facilitate remote working



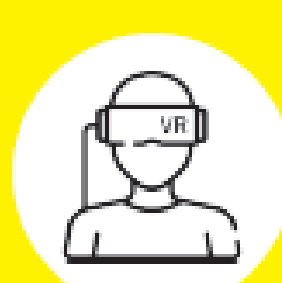
## Cloud CDE

Use Cloud based collaboration systems



## BIM

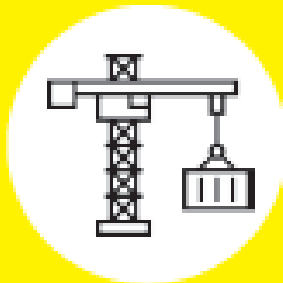
3D design coordination  
3D model viewers  
4D logistic planning



## AR/VR

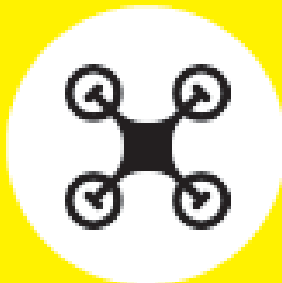
Use VR for remote model walk throughs

Digital Construction tools and BIM processes can be utilised to maintain Productivity where possible



## Off Site

Maximise off site fabrication & DFMA process



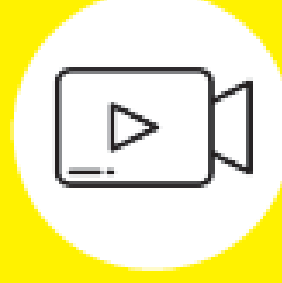
## Drone Technology

Use for remote site inspections, topography surveys



## Fast Track

Streamline approval process  
Cloud based collaboration



## Camera's / Video Footage

Progress Walk, Safety Walks, Virtual Snagging

# New or Continued way of working

- The important of having the CDE up to date with all the latest Project Information.
- Ensuring all staff have sufficient Hardware and Software to support remote working.
- Maintaining regular communication with your teams and letting people know that support is available.
- Increase your productivity with more focus time
- Weekly Site visits to maintain working relationship with Site Trades and Operatives

# Opportunities and Benefits gained

- Undertake a Strategic Review of how you will strengthen your own business
- The Industry has the chance now to bring about lasting, positive change by modernising working practices across the sector.
- DFMA, Prefabrication, Offsite Modular Construction and other Modern Methods of Construction (MMC)
- Opportunity to reflect and accelerate the rate of change for Digital Construction across the sector.
- Attracting new Talent to the Sector







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