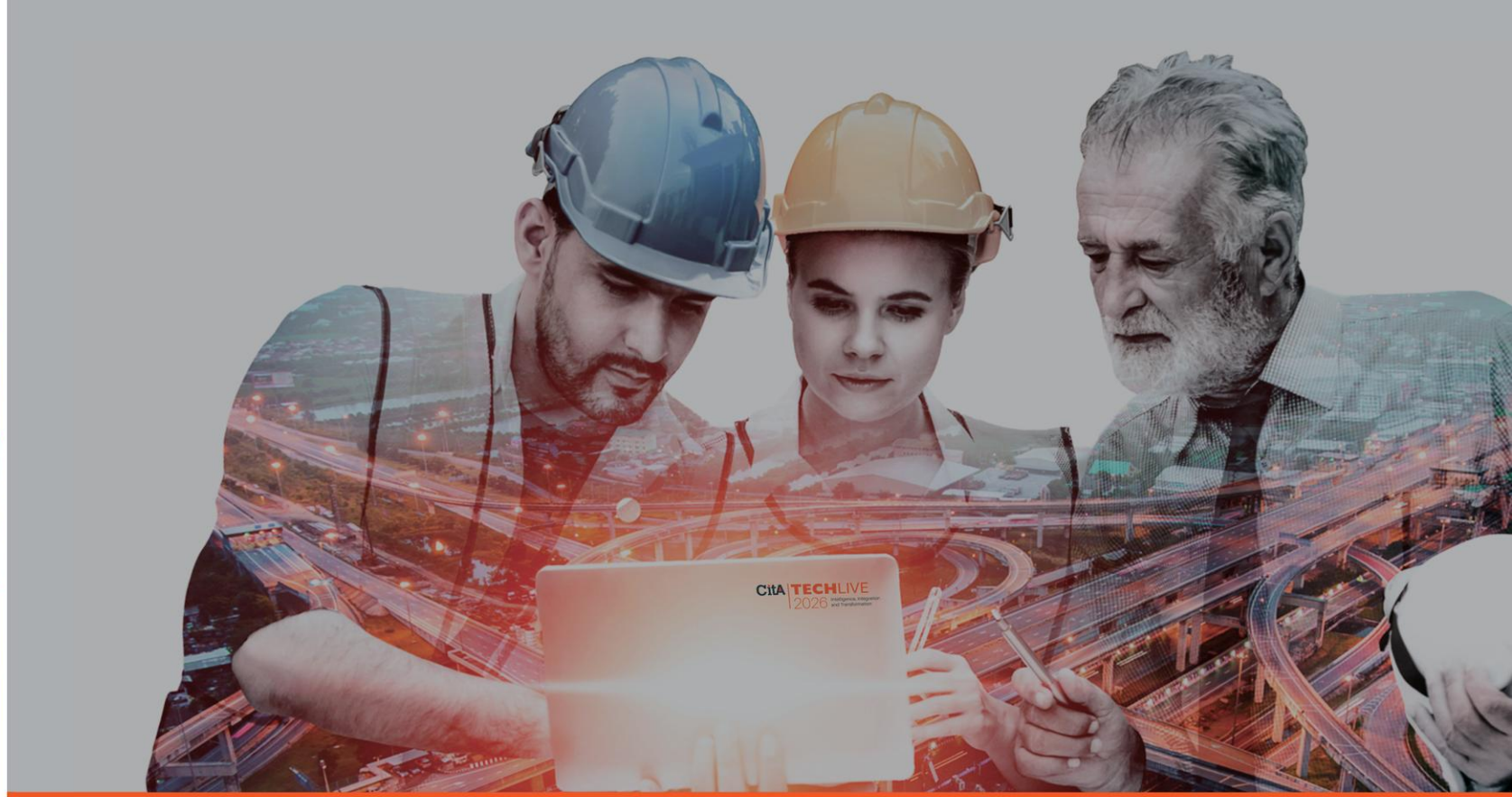
CitA | TECHLIVE 2026

Intelligence, Integration and Transformation



Dexcom Stadium, Galway,
12th November 2026



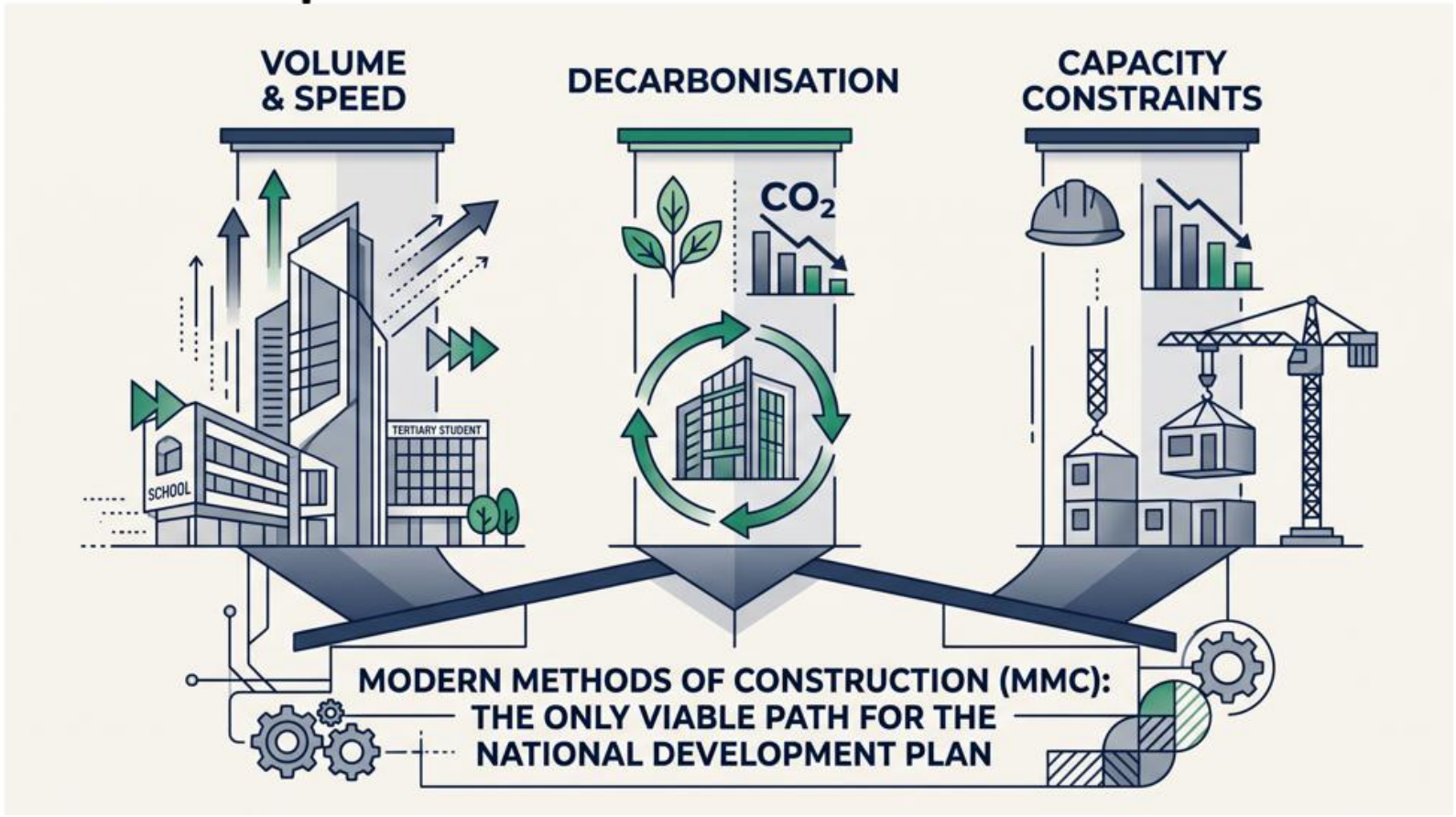
Shaping the Future of Construction

Yvonne Foy
National Construction Training Campus, Mount Lucas

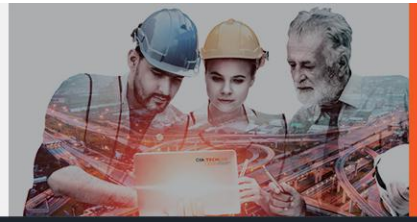
Upskilling the Transition: People, Practice and Modern Construction



The Triple Pressure on Irish Educational Estates



Modern Methods of Construction (MMC) is no longer a niche design preference; it is the only viable path to deliver the National Development Plan on time and within carbon budgets.

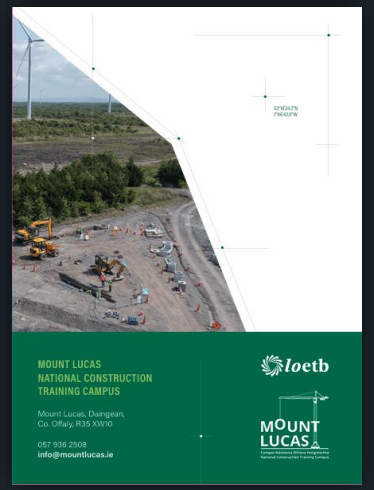


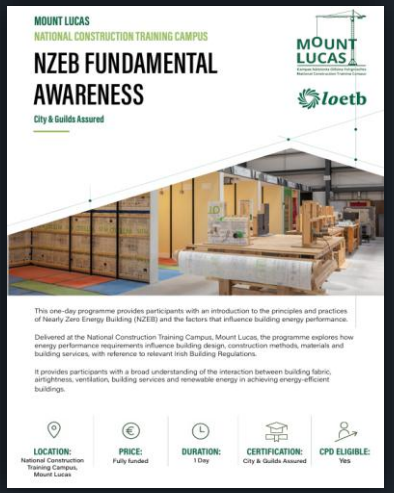
Closing the Literacy Gap: Baseline Awareness

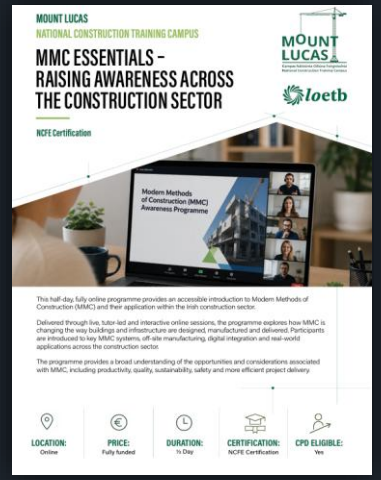
- **ZEB (Zero Emission Building) Awareness:** Why paper designs fail on site — protecting thermal and airtight continuity across all trades.

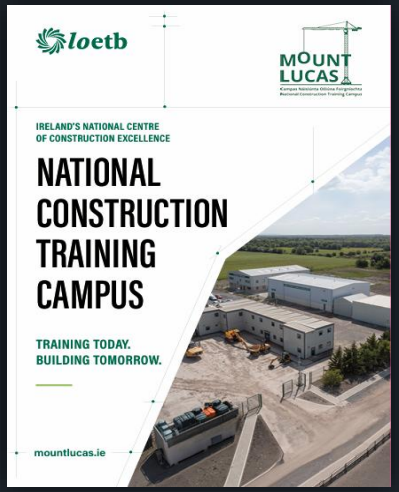
- **MMC Essentials:** Overcoming the 'prefab' myth — understanding DfMA, early design freeze, and procurement interfaces.

Culture Shift: Moving from trade silos to integrated system performance











What Skills Does Modern Construction Need?

Technical

- MMC
- Digital Construction
- Building Performance

Practical

- Installation
- Coordination
- Quality Assurance

Human

- Collaboration
- Problem Solving
- Adaptability



Practice: Beyond the Building

- **Infrastructure Synergy:** Integration of the Skilled Utilities Operator Traineeship and Overhead Lines Apprenticeship to ensure "serviced land" keeps pace with construction.















You can’t build 300,000 homes if you can’t connect the water and power. This is "Serviced Land" as a FET outcome.



The Co-Design Model & Agile Validation

- **Industry Expert Groups (IEGs):** Our curriculum is not developed in isolation. We utilize a "co-design" philosophy involving the CIF, NSAI, TU Dublin, TUS, and key employers to define occupational profiles.
- **Agile Curriculum Development:** By involving industry "first-adopters" in pilot phases, we create a continuous feedback loop that ensures our 2026 QQI Level 5 Award in MMC Installation and Assembly remains responsive to market shifts.
- **The "Handshake" Focus:** Through industry we identified a critical industry pinch point: the technical gap between off-site factory manufacturing and on-site assembly.







The "Living Classroom and Outreach on the Move"



3 Bed Semi-detached or Terraced



Timber Frame and Steel Frame



Terraced and Apartment Unit Types



1 & 2 Bedroom Volumetric House Types











Upskilling the Transition

Modern Methods of Construction SKILLS PATHWAY

loetb

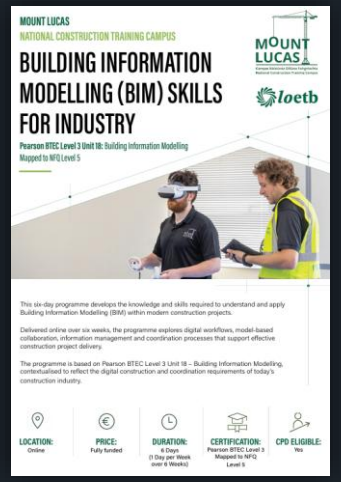
MOUNT LUCAS National Construction Training Centre

Awareness	Level 4	Level 5	Level 6	Tertiary Pathway	Targeted Upskilling
MMC Essentials	MMC Installation Operative Module	Building Information Modelling (BIM)	BER Assessor	BEngTech in Building Engineering TU Dublin	2D AutoCAD and Drawing Production
Digital Technologies in MMC	Retrofit Skills	**Construction Futures MMC Traineeship**	**MMC Installation Technician Traineeship**	**MMC Site Coordinator Apprenticeship**	Building Information Modelling (BIM)/Revit Structures
Sustainability in MMC	External Wall Insulator	Management of Construction Projects	Micro Generator and Solar PV installation	BEngTech in Civil Engineering TU Dublin	MMC Essentials for Public Sector
L.3 Modern Construction Skills	Air Tightness and Vapour Control Installer	Design and Draughting Technician	Domestic Heat Pumps Systems		
(n)ZEB Suite	Employed Construction Traineeship - Offsite Manufactured Assemblies				
ZEB Fundamentals	Skilled Utilities Operator Traineeship				

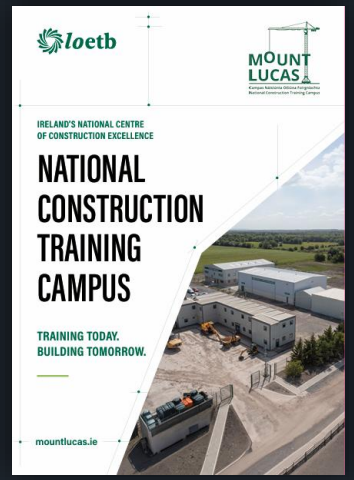
Sustainable Practices for Modern Construction Sites

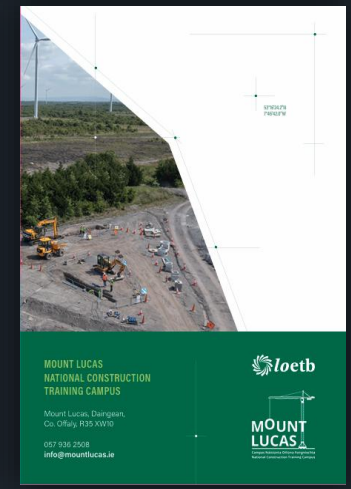
2-day workshop for SME's on the practices, mindsets, and systems needed to boost operational performance

Design and Planning → Material Procurement → Offsite Construction → Transportation and Storage → Installation and Assembly











Delivery Partnership

Partnering to De-Risk the National Capital Pipeline

- **To Clients & Specifiers:** Design and procure MMC with confidence—the training infrastructure is live.

- **To Contractors & Offsite Manufacturers:** Engage early with Mount Lucas to co-design the specific upskilling tracks you need.

- **To Policy Makers:** Link capital funding frameworks directly to workforce upskilling and transition targets.


CitA TECH LIVE
2026
Intelligence, Integration
and Transformation
Thank you for your time