



Workforce Transformation at the National Construction Training Campus



National Construction Training Campus – Mount Lucas





NCTC Approach

- National Centre for Construction training and assessment.
- Delivering critical national skills needs.
- Industry-driven – responsive, creative, flexible and often bespoke.
- Sustainable Construction Pathway approach:
 - Traineeship (Utilities – Uisce Eireann, MMC). Apprenticeship (Scaffolding). Tertiary (L7/8/9 Progression Options)
 - Modularised training provision.
 - Offers learners multiple modes of provision (full/part-time, micro-credentials etc)
 - Multiple entry and exit pathways.
- National Assessment Centre for Construction and Quarrying skills (CSCS & QSCS) RPL applications.
- Develop Construction skills provision that provides learners with currency in existing and future labour market.
- 2025: 6000 + NZEB beneficiaries
 - 60% of national NZEB targets



The Co-Design Model

- **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.
- **The "Handshake" Focus:** Through industry we identified a critical industry pinch point: the technical gap between off-site factory manufacturing and on-site assembly.



Smart off-site



A partner as well as a provider.

- **Agile Validation:** 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.



A partner as well as a provider.

- **The Living Classroom:** The National MMC Demonstration Park allows students to interact with full-scale housing typologies (ICF, Timber Frame, LGS, 3D Volumetric) on a single site.
- **Synchronised Environments: *Indoor:*** Mastering the "Digital Twin" via BIM, AR/VR, and automated manufacturing simulators. ***Outdoor:*** Precision lifting and installation using Ireland's first dedicated modular assembly platform and operational tower crane.



The "Living Classroom"



3 Bed Semi-detached or Terraced



Timber Frame and Steel Frame



Terraced and Apartment Unit Types

MMC Demonstration Park Oversight Group

SOLAS
An tAidilítir Oideachais leantúnaigh agus Sárseirbhí
Further Education and Training Authority

As Páirt Tíochta, Mairbh, Ailín agus Oidhreachta
Department of Housing, Local Government and Heritage

An tAidilítir Oideachais leantúnaigh agus Sárseirbhí
Further Education and Training Authority

An Roinn Iontrair, Trádála agus Foirgníochta
Department of Enterprise, Trade and Employment



1 & 2 Bedroom Volumetric House Types



Affordable House Type

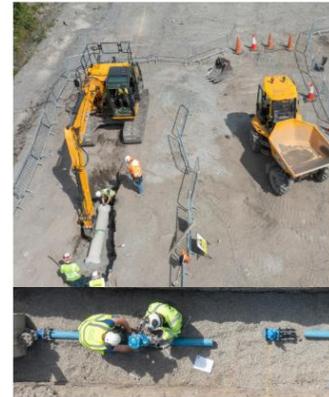


Groundworks Complete

"Living Classroom" increasing learner retention and site-ready expertise.

Beyond the Walls – Utilities & Infrastructure

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

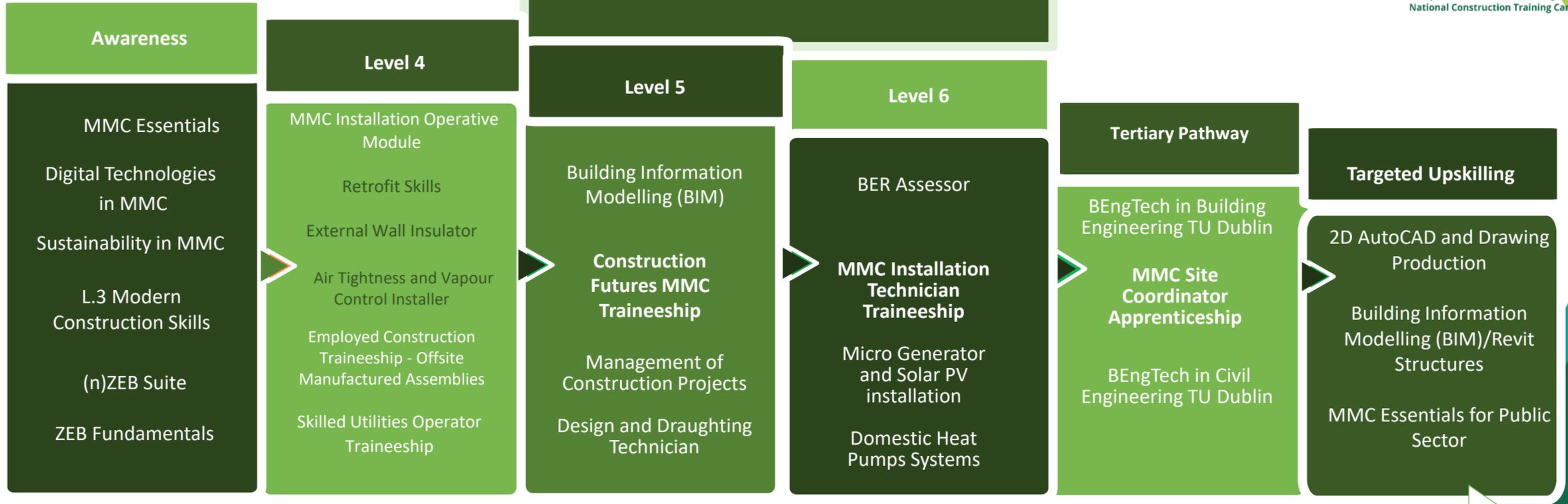


You can't build 300,000 homes if you can't connect the water and power.



- The Mobile Training Units (MTUs). 2,000 students annually.
- Strategy: Taking the "National Campus" to the schools. Using VR/interactive stations to attract a diverse talent pool (male and female).

Modern Methods of Construction (MMC) SKILLS PATHWAY



Sustainable Practices for Modern Construction Sites (LEAN)

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



Programme Development

- **NZEB & Retrofit Suite – City & Guilds Assured**
- **Special Purpose Award – Const. Skills for Energy Conservation – L5**
 - External Wall Insulation
 - Retrofit Skills
 - Airtightness and Ventilation Control Installer
- **Construction Futures – MMC Traineeship – L5**
- **Special Purpose Award – MMC Installation – L5**
 - ICF (pilot commencing 09.03 – Industry partners)
 - Timber Frame
 - LGS

Currently developing response to Groundworks for Installation – L5

- **Recently Accredited:**
 - MMC Essentials & ZEB Essentials
 - Autocad, BIM, Revit, Management of Construction Projects
 - Sustainable Practices in Modern Construction
 - Retrofit for Sales (SEAI & Irish Hardware Association)
 - Ventilation Awareness for Retrofit
 - Retrofit for Homeowners
 - NZEB / Schools (aimed specifically at Construction Studies Senior cycle students)



Leading the Way

in Modern Methods of
Construction (MMC)

**Programme Development
2026/2027**