

Building Confidence: Enabling scale for MMC in Ireland

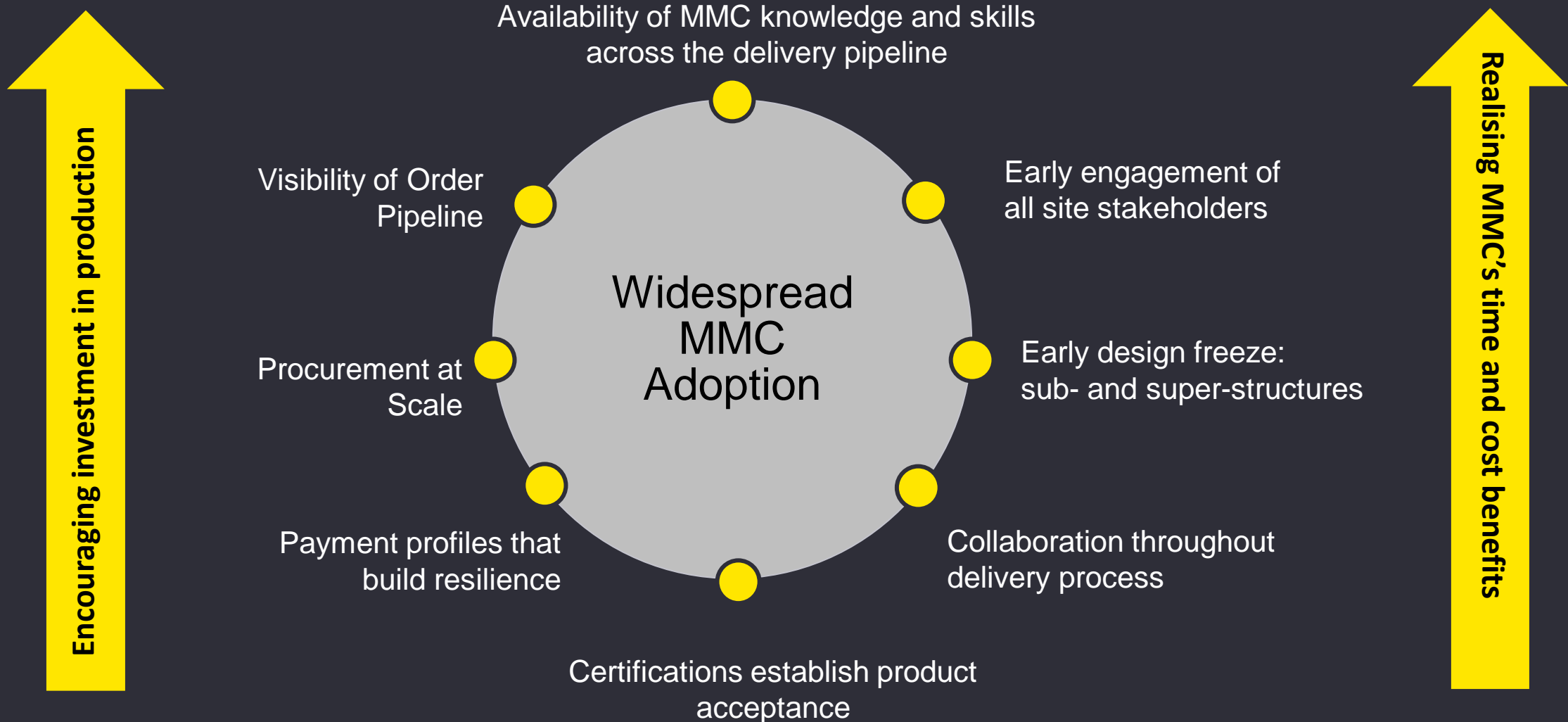
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23 May 2024

The EY logo is positioned in the bottom right corner of the image. It consists of the letters 'EY' in a bold, white, sans-serif font. A yellow diagonal line is positioned behind the 'Y'.

Building a better
working world

What does the industry need to capture the full advantages of MMC?



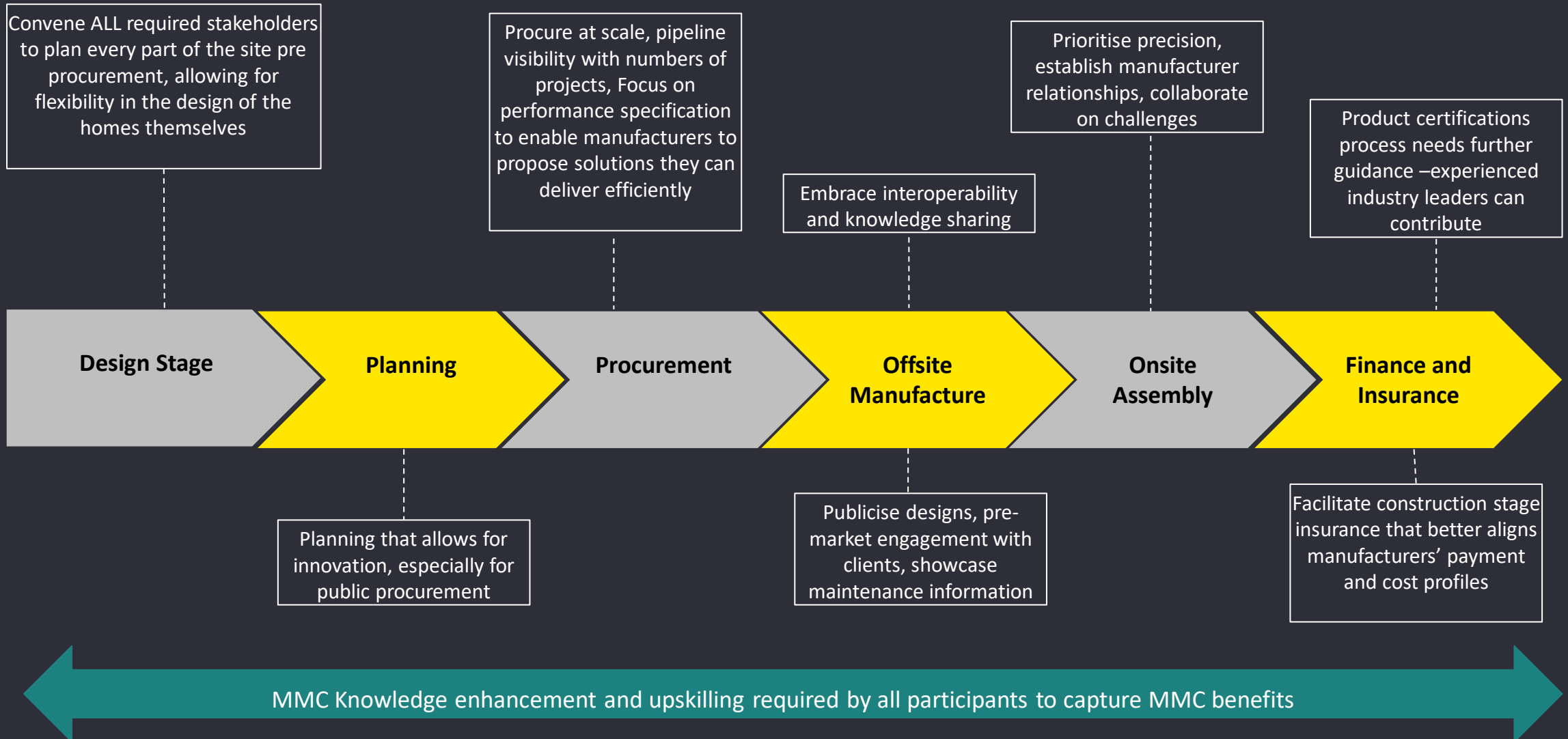
It takes an ecosystem to scale MMC

- Irish firms continue to invest in off-site construction while international entrant interest grows
- Build Digital, Construct Innovate and other industry and government initiatives are gaining traction
- Ireland's MMC journey is distinct in being supported across the delivery chain



- Government's focus is not just on the manufacturers but on strengthening the ecosystem that supports them
- Crucially, Ireland's MMC providers may cross sectors and include exporters
- Cross-department actions target critical enablers such as procurement, planning and certification as well as growing the skills base across all parts of the chain to maximise the value of these measures

What is needed at each part of the delivery chain to optimise MMC success?



What does Collaboration mean in MMC?

Design stage is critical: the design freeze applies to both the housing and ground works

Clients and their design teams must collaborate with all enabling stakeholders pre procurement

Location of access roads, extensions of utilities and connection points, fully mapped pre manufacture

Key objective: No surprises on delivery to site

Target PMV tailored to site specifics – solutions should work on site, and should be verified by client or its design team

Collaborative preparation required, integration expertise and an informed understanding of risks

Ground works and civils aligned with housing, assembled by appropriately skilled team familiar with the unit/systems and their certifications

Pre-tender

Who needs to do what, where and when?

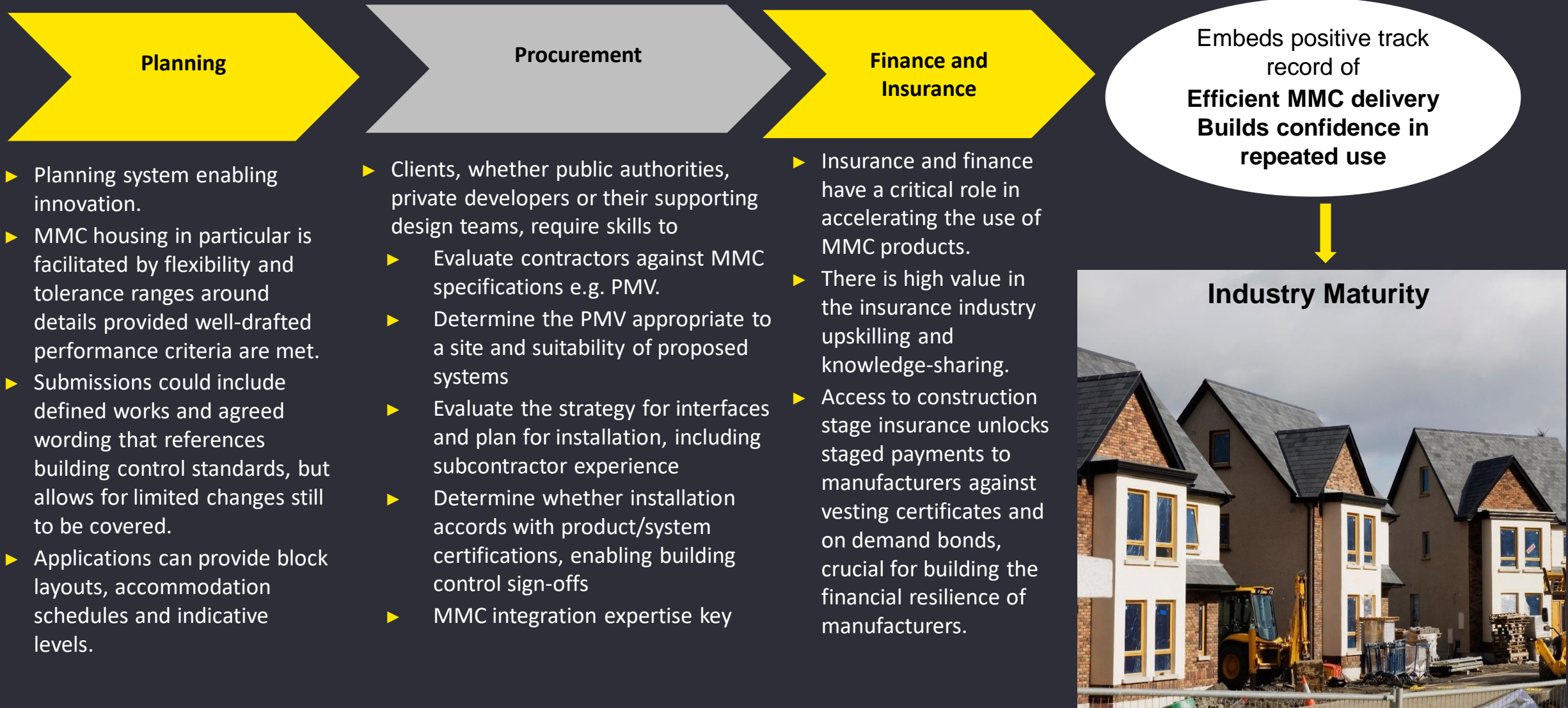
Pre

manufacture
work through all design details/ adjustments with civil works known

On-site Assembly

Informed team should understand all system requirements

Potential further enablers to smooth the delivery process for MMC, especially for housing



What else do we need? Collaboration needs courage to champion the best

- ▶ Demographics are driving the need for right-sized housing including apartments for sale and rental
- ▶ The generation in greatest housing need prioritises the sustainability and carbon performance offered by MMC
- ▶ The National Development Plan requires delivery of compact growth



Quality housing and social infrastructure at pace and scale

The Goal:
Meet and future-proof the built environment of a growing and resilient Ireland

Productivity gains

Workforce resilience

Attainment of sustainability goals



[Goldsmith Street Passivhaus and High Density Social Housing Scheme](#)

Client Norwich City Council

Awards RIBA East Award 2019, RIBA East Client of the Year 2019 for Norwich City Council, RIBA East Sustainability Award 2019 -**sponsored by Michelmersh**, RIBA National Award 2019, **Neave Brown Award for Housing 2019** and **RIBA Stirling Prize 2019**

Image source www.architecture.com