



Standardisation Facilitating Industrialised Construction

Offsite Expo 2025 Presentation

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Agenda

What you can expect today

01

What is
Industrialised
Construction?

02

The advantages of
non-traditional
over traditional

03

Obstacles to
greater uptake
of non-
traditional
construction
systems

04

How will
standardisation
make the
difference and
be most
effective?

05

So how will
standardisation
support
Industrialised
construction?

06

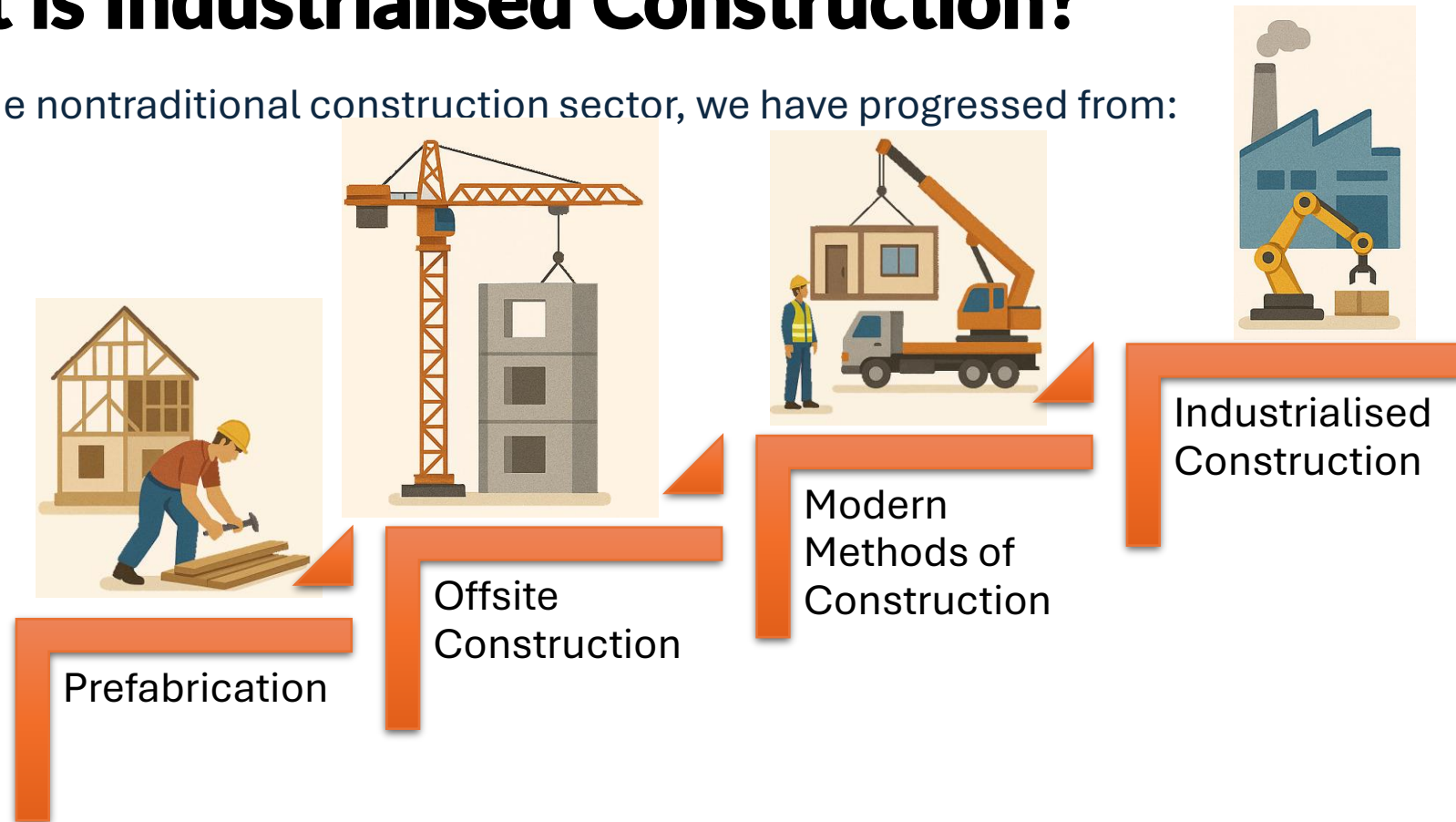
Key to successful
Implementation
of Industrialised
Construction

07

Conclusion

What is Industrialised Construction?

Within the nontraditional construction sector, we have progressed from:



Industrialised construction: represents further development drawing upon standardized designs and processes that deliver repeatability incorporating desired variability and ‘mass customisation’

The advantages of non-traditional over traditional

Non exhaustive list of advantages:



Quality Control: Easier to monitor and maintain consistent quality



Cost Reduction: Mass production lowers material and labour costs



Faster Construction: Parallel workstreams, mechanised site construction



Sustainability: Reduced waste, lower carbon emissions, recyclable materials, circular economy compliant

Obstacles to greater uptake of non- traditional construction systems



Financial Vulnerability of MMC Providers:

High fixed costs make MMC providers more exposed to downturns



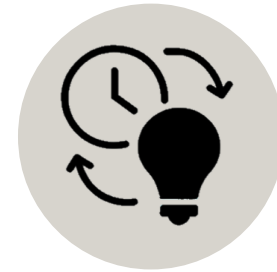
Client Confidence & Contractual Risk:

Concerns over what happens if MMC provider goes into administration mid-project



Cost Inefficiencies:

Elevated costs for limited production runs



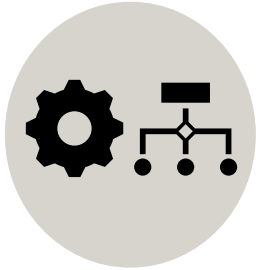
Late Design Involvement:

Often engaged too late in the design process

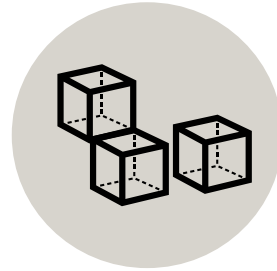
How will standardisation make the difference and be most effective?



Design Standardisation:
design templates and digital libraries provide for standardised objects



Process standardisation :
where repetitive processes provide the opportunity for optimum efficiency



Product standardization:
production of standard sizes, shapes and materials facilitate the platform/kit of parts philosophy



Regulatory & quality standardisation:
supply chain are all working to same regulatory requirements



Contractual standardisation :
multi party frameworks provide transparency

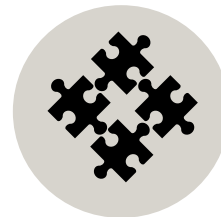
So how will standardisation support Industrialised construction?



Digital Transformation:
Embraced digitisation and digitalisation



DfMA Adoption:
Benefits are recognised and its application progressively used



KoP & Platform Philosophy
Greater recognition and application of the value and benefits



BOPAS+
Extension of the BOPAS scheme, supports BOPAS accredited companies on their digital journey



BIM & ISO 19650:
Certification to ISO 19650 is commonplace



Construction Playbook:
The blueprint for collaborative working



PAS 8700:
Template for project best practice

Key to successful Implementation of Industrialised Construction

Enabling pillars for KoP & Platform Philosophy:

Collaboration & Stable Relationships:
Essential for long-term success



Digital Interoperability:
Seamless integration across platforms and tools



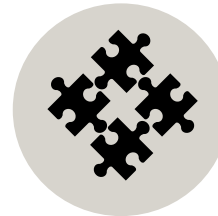
Transparency:
Builds trust through openness



Standardised Quality:
Confidence through consistent benchmarks



KoP & Platform Philosophy: Central to industrialised construction revolution



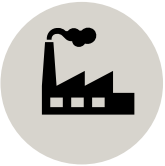
Conclusion



Digitisation, standardisation, and automation are being aligned.



Collaborative frameworks (e.g., the Construction Playbook) support this alignment.



This collective effort is driving:

- **Industrialised construction**
- **Mass customisation**



Performance, durability, and data integrity are not just promised but **verified — which is essential for investor confidence, regulatory compliance, and long-term asset value.**





Please contact

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