

SBEnrc PROJECT 2.11.5

Sustainable Procurement for Modern Methods of Construction

Project Steering Group Meeting #2

Chair: Davina Rooney
Project Leader: Yingbin Feng

ACKNOWLEDGEMENTS

This research has been developed with support provided by Australia's Sustainable Built Environment National Research Centre (SBEnrc). SBEnrc develops projects informed by industry partner needs, secures national funding, project manages the collaborative research and oversees research into practice initiatives. Core Members of SBEnrc include ATLAS, Government of Western Australia, Queensland Government, Transport for NSW, Sunshine Coast Council, Curtin University, The University of Queensland, Western Sydney University and RMIT University. This research would not have been possible without the valuable support of our core industry, government and research partners.

ATLAS

GOVERNMENT OF WESTERN AUSTRALIA

Queensland Government

NSW GOVERNMENT Transport for NSW

Sunshine Coast COUNCIL

Curtin University

THE UNIVERSITY OF QUEENSLAND AUSTRALIA

WESTERN SYDNEY UNIVERSITY

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PROJECT AIM

This project examines how sustainable procurement and associated market signals can enable the wider adoption and scaling of MMC in the housing, building and infrastructure sectors.

Procurement-led enablers

Non-price evaluation

Workforce transition





Project Objectives

1. Identify procurement strategies and mechanisms that support and accelerate the adoption and scaling of MMC in housing, building and infrastructure sectors.

2. Identify key non-price procurement criteria for MMC and develop measurable indicators that support supplier selection and post-award reporting.

3. Examine how sustainable procurement can support workforce transition by identifying skills gaps and capability development pathways required for scalable adoption of MMC.

Case study 1

Theme	Challenge	Partners	Approach
Sustainable procurement for scaling MMC in public infrastructure delivery	How a public infrastructure client can develop and use sustainable procurement strategies to de-risk, enable, and scale the adoption of Modern Methods of Construction (MMC) across infrastructure programs while supporting measurable non-price value outcomes and workforce transition.	**Lead industry partner**: Lidija Dumbaloska, Transport for NSW **Participating industry partners**: Main Roads WA, QLD Department of Transport and Main Roads	Focus on a selected infrastructure program or procurement package

Case study 2

Theme	Challenge	Partner	Approach
Sustainable procurement for scaling MMC in public housing and building programs	How a public housing or building client can structure sustainable procurement to accelerate MMC adoption at scale while delivering social value, carbon reduction, and workforce capability development outcomes.	**Lead industry partner:** Peter Vanderaa, QLD Treasury Peter Nelson, QLD Department of Housing and Public Works. **Participating industry partners**: WA Department of Housing and Works, DevelopmentWA, QLD Department of Housing and Public Works, Sunshine Coast Council	Program-level case analysis of a selected public housing or building initiative where MMC has been used or considered. Leverage the Queensland Government's program delivering 219 two- and three-storey social housing apartments across 17 sites.

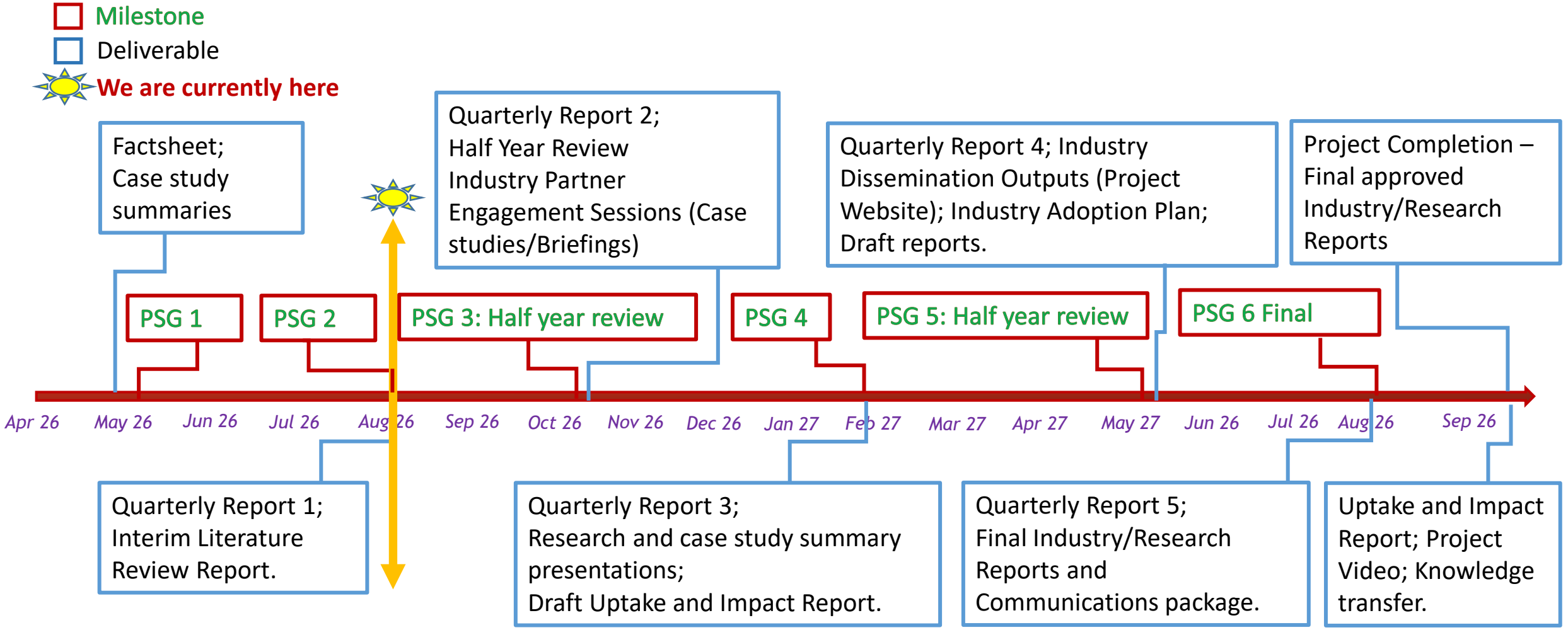
Case study 3

Theme	Challenge	Partner	Approach
Sustainable procurement for scaling MMC: a supplier perspective	How procurement certainty and broader structural incentives can influence MMC investment decisions and workforce transformation, and move MMC from episodic adoption to systemic normalisation.	**Lead industry partner:** Karim Yngstrom, ATLAS **Participating industry partners:** WA Department of Housing and Works, QLD Department of Housing and Public Works, DevelopmentWA	In addition to public-sector procurement settings, the case study will examine how private developer requirements (e.g., lender expectations, valuation norms, and delivery risk perceptions) influence MMC consideration and supplier confidence.

Summary of Action Items arising from PSG#1

Item	Description	Who	Date	Status
1	Conference Participation and Promotion: Coordinate with Yingbin Feng and Karim Yngstrom to prepare an industry partner presentation for the World Sustainable Built Environment Conference session on June 11, highlighting the importance and contributions of the research project.	YF	11/06/26	Completed
2	Project References and Literature Sharing: Share relevant project reports, references, or current work on modern methods of construction in the chat or with the research team to support the literature review and project development	PSG	Ongoing	Ongoing
3	Identification of Additional Project Partners: Recommend and approach potential new project partners who could invest in or contribute to the project	YF	Ongoing	Ongoing
4	Dissemination Opportunities Planning: Inform Yingbin Feng and Will Hackney of any internal or external forums, conferences, or industry events where project findings could be presented or discussed, to facilitate early planning for dissemination activities	PSG	Ongoing	Ongoing

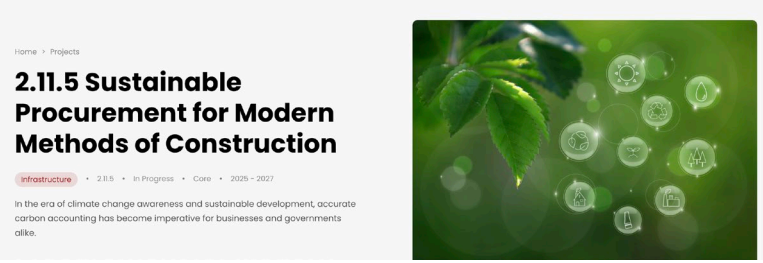
Project Timeline



Progress against milestones/deliverables

No.	Description	Milestone or Deliverable?	Planned Due Date	Completion/ Forecast Date
1	PSG#1 Project Commencement - Pre-Payment Approved by Board; Uptake and Impact Measures; Final Factsheet; Final Case Study Summaries	Milestone	06/05/26	Completed
2	PSG #2 - Literature Review; Any other specific deliverables per project as agreed by SBEnrc; Quarterly Report 1	Milestone	04/08/26	Completed
3	PSG #3 - Half Year Review; Quarterly Report 2; Industry Partner Engagement Sessions as agreed by SBEnrc	Milestone	20/10/26	20/10/26
4	PSG #4 - Quarterly Report 3; Research and Case Study Summary Presentations as agreed by SBEnrc; Draft Uptake and Impact Report	Milestone	09/02/27	09/02/27
5	PSG #5 - Half Year Review; Quarterly Report 4; Including Industry Dissemination Outputs (Project Website) as agreed by SBEnrc; Knowledge transfer/Industry Adoption Plan (Item 2.7) as agreed by SBEnrc; Draft Research Report; Draft Industry Report	Milestone	11/05/27	11/05/27
6	PSG #6 (Final) - Quarterly Report 5; Final Industry Report (pre-approval); Final Research Report (pre-approval); Communications package (includes YouTube video and graphically designed and technically reviewed 16-24 page Industry Report); Final Uptake and Impact Report.	Milestone	10/08/27	10/08/27
7	Knowledge transfer/research into practice, Executive Briefing as agreed by SBEnrc	Deliverable	30/09/27	30/09/27
8	Project Completion – Final approved Industry Report and Research Report	Deliverable	30/09/27	30/09/27
9	Final Project Video	Deliverable	30/09/27	30/09/27
10	Final Uptake and Impact Report	Deliverable	30/09/27	30/09/27

Highlights of Progress

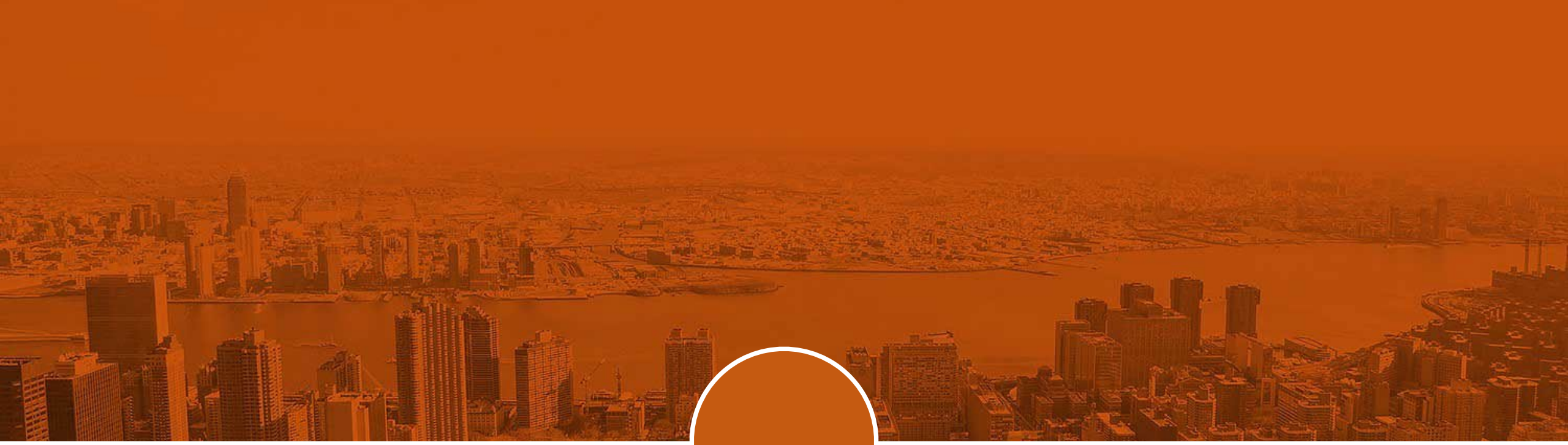






- PSG meeting #1 was held on 6 May 2026 with 17 participants
- Interim Literature review report
- Case study summary
- Presentation and Panel Discussion at WSBE26
- Keynote by Davina Rooney at CRIOCM2026
- AIQS Webinar - From Sustainability Ambition to Procurement Action: Delivering ESG in Construction
- ARC grant briefing session with TfNSW and Atlas – Low-carbon concrete for Prefab
- Training program on Legal Essentials for Off-site Construction





Draft Research Report #01 – Literature Review

Sustainable Built Environment National Research Centre AUSTRALIA



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