



CONSTRUCTIONARIUM
AUSTRALIA



Constructionarium Australia 2026/2027 Build Program

Constructionarium Australia empowers the next generation of infrastructure, engineering and construction professionals to build real-world skills and networks through hands-on projects, underpinned by an award-winning commitment to diversity, equity and inclusion.





About Constructionarium Australia

Delivered across Brisbane and Melbourne, Constructionarium Australia is an intensive eight-day training and development program where participants work in multidisciplinary teams to plan, tender, build and hand over a scale replica of an iconic Australian structure.

Established as a not-for-profit organisation in July 2016, Constructionarium Australia is based on a proven international model that has operated successfully in the UK for more than a decade. The Australian program is tailored to the local industry, safety standards and project environments, with a recognised, award winning commitment to diversity, equity and inclusion.

Since inception, Constructionarium Australia has supported over 1,000 participants, providing a safe, hands-on environment for emerging engineers and built-environment professionals to develop real-world project experience. The program focuses on strengthening team collaboration, problem-solving, leadership capability and practical construction skills, bridging the gap between theory and practice

In recognition of its impact on industry capability building and gender equity, Constructionarium Australia won National Association of Women in Construction (NAWIC) QLD Corrs Chambers Diversity Award in 2021 & 2023 & in 2025 was the recipient of the NAWIC ADCO Crystal Vision award & National Finalist in 2026, highlighting the program's contribution to inclusive, industry-led learning and the development of future leaders.

Constructionarium Australia offers a unique, industry-led learning experience and an exceptional opportunity for early-career professionals to build confidence, capability and networks through live project delivery.

Proposed 2026/2027 Build Program

Brisbane Build Program 8 Days

15 April to 24 April
27 May to 5 June
29 July to 7 August
23 September to 2 October
4 November to 13 November*
17 – 26 February
10 – 19 March*

Brisbane CSQ Construct Her Future 5 Days (Year 11 Females)

29 June to 3 July
21 September to 25 September

Melbourne Build Program

10 June to 19 June
7 October to 16 October
21 October to 30 October
11 November to 20 November*
25 November to 4 December*

* Dates to be confirmed

Programs and themes

Constructionarium Australia exists to help the next generation of infrastructure, engineering and construction professionals to gain skills and build networks by working on a real project. Our core themes are:

Theory

Each build includes training on the latest construction theory from industry experts and includes Lean Methodologies, BIM and Digital Engineering, Design Principles and Project Controls.

Networks

A core part of Constructionarium Australia is our network. Participants build strong industry connections through Lunch & Learn sessions with industry leaders, networking events during each build, and ongoing alumni events that keep our community connected beyond the program.

Practical training

Each project includes a real build of an iconic structure such as the Story Bridge and includes a tender, planning phase, construction phase, safety management and more.

Outcomes

As a result of participation each member of the cohort will have been exposed to the key project, management, technical and interpersonal skills that are the core requirements of the modern infrastructure professional. They are also part of the Constructionarium alumni – leaders of the future.

Participants will benefit from being part of a hands-on, real construction project that incorporates the full project lifecycle including incorporating BIM in design and construction under formal execution by a licensed contractor and supported by a formal design by a licensed engineering firm.



Participants

Participants for each build are drawn from the whole of the construction supply chain and is intended to fast track the skills and experience of final year university students, post-graduate students and early-stage career professionals.

Participants are predominantly Engineers (mainly civil, also mechanical, chemical or process) or Construction Professionals (quality, safety, environmental, logistics, stakeholder, finance, legal).

Most participants are early-stage career professionals, male and female mixed cohorts except on designated all-female builds.

Program fees

Participation is limited to 20–25 participants per build, typically composed of

- Paid Participants (Brisbane)
 - ♦ CSQ Sponsored spots (each spot valued at \$5k)
 - ♦ \$5,000 +GST Industry Professionals
 - ♦ \$3,500 +GST QMCA Member Industry Professionals
 - ♦ Limited competitive Student places
- Paid Participants (Melbourne)
 - ♦ \$5,000 +GST Industry Professionals
 - ♦ \$4,000 +GST Big Build professionals (Bridge, Rail)

We actively encourage a diverse cohort for each build as participants learn from working collaboratively with people from different sectors, disciplines and levels of experience.

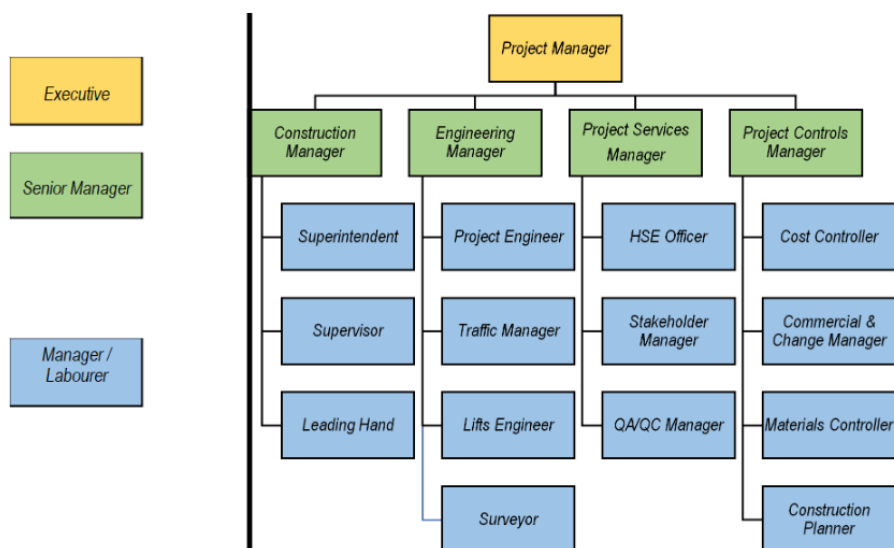


Typical program

The following principles guide every Constructionarium Australia program:

- Constructionarium Strategy
- Train graduates and students in Project Management
- Creating Alumni opportunities to meet peers
- Networking opportunities with Industry

A typical program across 8 days is intended to cover theory and practical elements and contains learning sessions, keynote speaking spots, workshops and construction days.



The following pages show examples of different build programs.

CONSTRUCTIONARIUM AUSTRALIA - VICTORIA RAIL PROGRAM

TIME	Week 1					TIME
	Monday	Tuesday	Wednesday	Thursday	Friday	
7:30			Welcome and Opening Ceremony	How to Win a Tender	Project Proposal Submission preparations	7:30
8:30			Communications	Project Proposal Submission preparations		8:30
9:30			Morning Tea			9:30
10:30			Tender introduction / site visit		PROJECT PROPOSAL DUE	10:30
11:30			L&L1: Rail Design	L&L2: Indigenous Cultural Awareness & Social Procurement	L&L3: Commercial Awareness	11:30
12:30			Project Proposal Submission preparations	Project Proposal Submission preparations	Preparations for Client Presentations	12:30
1:30					Client Presentation - Team A	1:30
2:30					Client Presentation - Team B	2:30
3:30			WBS DUE	PROCUREMENT LIST DUE	Project Proposal Evaluation CONTRACT AWARD / SIGNING	3:30
					Merging of Teams	
7:30	Project Proposal Feedback	Safety pre-start / Toolbox Construction	Safety pre-start / Toolbox Construction	Safety pre-start / Toolbox Construction	Project close-out and documentation submission	7:30
8:30	Training on LEAN Principles <i>Last Planner</i>				Presentation preparation	8:30
9:30	Project Planning					9:30
10:30					Station Opening Ceremony	10:30
11:30	L&L4: Safety in Construction	L&L5: Environmental & Sustainability	Lunch Break	Q&A Panel	Project Presentation Program Overview and Project Controls with Budget Check	11:30
12:30	Project Launch Finalisation of: SMWS, Lift methodology, Construction methodology VMP, Program, ITP, EMP	Construction	Construction	Construction	Lunch and networking	12:30
1:30		OPERATIONAL MILESTONE A	OPERATIONAL MILESTONE B		Program wrap-up	1:30
2:30	Costing and role handovers	Costing and role handovers	VIP Networking Event	PRACTICAL COMPLETION	DEPART FOR END-OF-BUILD CELEBRATION	2:30
3:30			Costing and role handovers	Costing and role handovers		3:30

KEY MILESTONE / SUBMISSION

EVENT

LUNCH & LEARN / Q&A PANEL

TRAINING SESSION

PLANT ON SITE

CONSTRUCTIONARIUM AUSTRALIA - BRISBANE BUILD - PROGRAM

		Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	TIME					
	8			Welcome, Registration and Opening Ceremony	How to Win a Tender	Tender
	9			Safety Induction	Tender	Submission preparations
	10			Morning Tea	Submission preparations	
	11			Communications		
	12			Tender introduction / site visit		FINAL TENDER DUE
	1			L&L1: How to win a Tender	L&L2: Design Aspects	L&L3: Contractor Philosophy
	2			Tender	Tender	Preparations for Client Presentations
	3			Submission preparations	Submission preparations	Client Presentation - Team A
	4					Client Presentation - Team B
	5				PROCUREMENT LIST DUE	Tender Evaluation
	6					CONTRACT AWARD / SIGNING
Week 2	8	Tender Feedback	Safety pre-start / Toolbox	Safety pre-start / Toolbox	Safety pre-start / Toolbox	Safety pre-start / Toolbox
	9	Training on LEAN Principles	Planning / Construction	Construction	Construction	Finishing works
	10	Last Planner				FINAL COMPLETION
	11					Bridge Opening Ceremony
	12	L&L4: Design Aspects 2 / SID / Bridge Inspection	L&L5: Commercial	L&L5: Indigenous Cultural Learning	L&L7: Sustainability	Project Presentation
	1	Project Launch	Construction	Construction	Construction	Program Overview and Project Controls with Budget Check
	2	Finalisation of: SMWS, Lift methodology, Construction methodology				L&L8: Careers
	3	TMP, Program, ITP, EMP		Project Controls training and Project Roles handover	Project Controls training and Project Roles handover	Program wrap-up
	4	Project Controls training and Project Roles handover	Project Controls training and Project Roles handover	VIP Event	Defects close-out	DEPART FOR END-OF-BUILD CELEBRATION (IF MARGIN MET)
	5			Site networking event		
	6					
KEY		MILESTONE / SUBMISSION	EVENT	LUNCH & LEARN / Q&A PANEL	TRAINING SESSION	CRANE ON SITE

CONSTRUCTIONARIUM AUSTRALIA - WATER BATTERY BUILD - PROGRAM

		Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	TIME					
	8			Welcome	How to Win a Tender	Tender
	9			Opening Ceremony	Tender	Submission preparations
	10			Morning Tea	Submission preparations	
	11			Communications		
	12			Tender introduction / site visit		FINAL TENDER DUE
	1			L&L1: Water Battery Design Logic	L&L2: Queensland Hydro Philosophy	L&L3: Fulton Hogan Philosophy
	2			Tender	Tender	Preparations for Client Presentations
	3			Submission preparations	Submission preparations	Client Presentation - Team A
	4					Client Presentation - Team B
	5				PROCUREMENT LIST DUE	Tender Evaluation
						CONTRACT AWARD / SIGNING
Week 2	8	Tender Feedback	Safety pre-start / Toolbox	Fitness for Work	Safety pre-start / Toolbox	Safety pre-start / Toolbox
	9	Training on LEAN Principles	Planning / Construction	Safety pre-start / Toolbox	Construction	Commissioning works
	10	Last Planner		Construction		
	11					
	12	L&L4: Commercial Awareness	L&L5: Sustainability	L&L6: Indigenous Cultural Awareness	L&L7: Work - Life Balance	PRACTICAL COMPLETION
	1	Project Launch	Construction	Construction		L&L8: Career Development
	2	Finalisation of: Lift Plan, SMWS, TMP, Engineering, Construction Methodology, Commissioning Plan			Construction	Opening Ceremony and Project Presentation
	3			Project Controls training and Project Roles handover	Project Controls training and Project Roles handover	Program Overview and Project Controls with Budget Check
	4	Project Controls training and Project Roles handover	Project Controls training and Project Roles handover	VIP Event	Structural Inspection	DEPART FOR END-OF-BUILD CELEBRATION (IF MARGIN MET)
	5			Site networking event	Defects close-out	
	6					
KEY		MILESTONE / SUBMISSION	EVENT	LUNCH & LEARN	TRAINING SESSION	CRANE ON SITE



Skills and learnings

Participants and support staff can claim CPD credit from Engineers Australia. Activities and skills development will focus on:

Fundamental content technical / costing

- Tender development
- Presentation
- Pricing
- Technical
- Commissioning
- Specifications and Documentation
- Program of Works and Scheduling
- Client Expectations and Management

Engineering

- | | |
|---------------------------------------|----------------------------|
| ▪ BIM | ▪ Safety |
| ▪ Safety In Design | ▪ CR |
| ▪ Whole Of Life | ▪ Project Controls |
| ▪ Limit State Design | ▪ Daily Reporting |
| ▪ Design Aspects | ▪ Receipt Of Goods |
| ▪ Check Before and After Construction | ▪ Planning |
| ▪ Temporary Works | ▪ Cost (Budget Management) |
| ▪ Crane Lifts | ▪ Change Management |
| ▪ Dial Before You Dig | ▪ Commercial Management |
| ▪ Lean Training | ▪ Client handover |

Our build structures

Our structures reflect different industry and contractual approaches as well as different learning outcomes.



Brisbane structures



Story Bridge



Eleanor Schonell Bridge



**Pumped Hydro
(Water Battery)**



**CSQ Construct Her Future
(Year 11 Females)**



Melbourne structures



Big Bridge Build



Big Rail Station



**Pumped Hydro
(Water Battery)**

Our supporters

Without the support of our partners in the construction and infrastructure industry, Constructionarium Australia simply could not undertake the programs we do.

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Fulton Hogan



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Story Bridge Partners



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