



Civil Engineering Capability Uplift

Training that reduces design risk, rework, and senior review load.



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Capability Uplift



Our workshops build project-ready capability for consulting teams by strengthening **engineering judgement, first-principles checking, and risk-based decision-making at the point of design**.

This is **not** high-level awareness training or software demonstrations. It is targeted capability uplift designed to **reduce rework, improve first-pass quality, and strengthen technical sign-off confidence**.

Rather than teaching isolated tools, our workshops strengthen how engineers and designers think, check, and justify design decisions in day-to-day project work.

Designed for Consulting Environments

- Fee-constrained projects
- Tight timeframes
- Mixed experience teams
- High reliance on senior technical reviewers

Our workshops incorporate:

- Alignment on best-practice approaches and shared professional expectations
- Real-time calculations undertaken as a group
- Active discussion to test assumptions and judgement
- Confident checking and defense of design outputs
- Australian Standards and current industry practice
- Local council and authority guidelines
- Environmental and constructability considerations
- Real deliverables used in industry today

Capability Areas

Stormwater Management

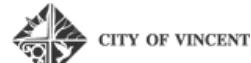
Road Design

Pavement Design

Earthworks &
Geotechnical Fundamentals

Sewerage Reticulation

Geographic Information
Systems
(GIS)



Our Workshops Are Designed for Consulting Teams



Our workshops are deliberately designed around how consulting teams actually work, balancing engagement, efficiency, and effective risk control.

Delivery Format

Intentionally structured to support consistent, repeatable capability uplift and can be scheduled when you require, rather than waiting for fixed course dates.

- In-house workshops to maximise engagement and team interaction
- Virtual delivery to maximise time efficiency and reach across teams and locations
- Workshops delivered on demand to suit your projects, priorities and team availability

Workshop Features

- Short theory briefings (what matters, what doesn't)
- Live calculations and worked examples
- Real project scenarios (not textbook problems)
- Facilitated discussion around common design risks
- Focus on engineering judgement, assumption testing and defensible decision-making

Introductory & Alignment Sessions

Introduce Inform Inspire

- Unlimited attendees for the same price
- Structured, presenter-led delivery
- For onboarding new staff or aligning teams at the start of projects
- Efficient way to brief multiple teams or offices simultaneously

Applied Design Workshops

Engage Calculate Teamwork

- Small groups (up to 8 attendees)
- Engaged discussions
- Participants undertake calculations
- Time allocated for project-specific questions
- Designed to support confident design checking and technical sign-off

Built to remove cost, access and scheduling barriers to capability uplift.

Team-Based Learning

Our workshops create a structured environment where teams:

- Discuss real design challenges
- Align on best-practice approaches
- Learn from shared experience across experience levels

Facilitated Discussions

- Open, facilitated discussion to share experience and challenge assumptions respectfully
- Team problem-solving

Real-world Scenarios

- Real designs, issues and challenges your team is likely to face



Capability Programs for Consulting Teams

For consultancies seeking sustained capability uplift rather than one-off sessions, Quilty Engineering Hub offers structured, multi-session programs aligned to technical risk, review burden and delivery priorities.

How it works:

- Multiple workshops delivered across the year
- Sessions sequenced from fundamentals to applied judgement
- Capability uplift embedded into day-to-day project work

Benefits include:

- Reduced senior technical review time
- Improved first-pass design quality
- Fewer late-stage redesigns
- Stronger defensibility of design decisions
- Consistent judgement across teams and offices

Designed to Align with Business and Project Priorities

- Workshops scheduled to align with project stages, workload peaks and team availability.

Our program allows managers to uplift capability once, rather than answering the same design questions repeatedly across projects.

Reduce risk.
Stop reworking.
Deliver better outcomes.





Indicative Pricing & Engagement Options

Designed for managers approving training budgets and accountable for technical outcomes.

Indicative Pricing

Pricing is per workshop, not per person.

Workshops are booked as required, without reliance on scheduled intakes or public course dates.

To provide budget certainty, our standard virtual workshops are priced from:

- Half-day workshop (4 hours): \$2,000 + GST
- Full-day workshop (8 hours): \$4,000 + GST

* Pricing above applies to virtual delivery and standard workshop modules.

One half-day workshop typically costs less than a single round of senior design rework on a live project.

What this means for your team:

Most training providers charge per seat.

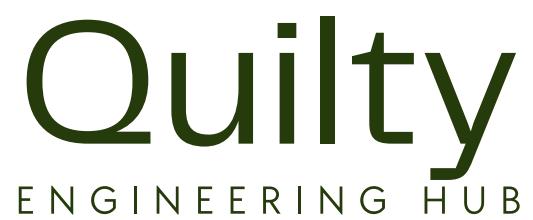
Quilty Engineering Hub charges per workshop.

- Upskill a small team or an entire discipline group for the same cost
- No per-seat or per-license fees
- Cost-effective upskilling
- No need to “limit attendance” to save budget
- Our approach is deliberately designed to provide systemic capability uplift - not isolated learning.

***Less rework.
Stronger designs.
Better outcomes.***



Notes



**Real skills.
Right now.**

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