

Dredging & Reclamation

Masterclass Training Brochure



in ²*Dredging*
Solutions adding value



D&R Masterclass

Master the execution of cost-effective and successful dredging and land reclamation projects while avoiding costly budget overruns and delays. Gain a comprehensive understanding of both the technical and commercial aspects of these operations, empowering you to make informed decisions that drive project success.

Dredging and Reclamation (D&R) Works

[in2Dredging Pty Ltd](#) (i2D) is an independent dredging consultancy founded in 2016, offering support [services](#) to international owners, contractors and suppliers involved in dredging and reclamation projects. With a blend of academic knowledge and extensive field experience, i2D is able to share technical expertise gained from decades of global dredging and reclamation works experience.

Our technical expertise includes a deep understanding of sediments' physical and chemical properties and optimal equipment selection for various soil conditions, as well as their impact on project outcomes. We ensure reliable and accurate production rate estimates by utilising i2D's state-of-the-art modelling [tools](#).

i2D also brings extensive experience in managing key aspects of such projects, having been involved in many project cycles. This enables us to provide comprehensive support throughout the entire project lifecycle, from offering commercial insights for realistic early-stage budgeting, to [resolving disputes](#) during project execution through an in-depth understanding of both the contractor and owner perspectives. Furthermore, we provides expert opinions as part of our [expert witness services](#).

In addition to our technical proficiency, i2D has acquired valuable insights into the environmental impacts of dredging and reclamation and how they can be minimised through careful planning and management. We also guide organisations in securing a social license to operate, ensuring long term project success with sustainable practices.

This intensive 4-day Dredging and Reclamation Masterclass will be led by Subject Matter Experts (SMEs) and will cover the following modules:

- [Dredging Engineering](#) and Reclamation 101
- Fundamental Dredging Techniques Revealed
- Dredger Types Capabilities Explained
- Accurate Dredging Designs and [Surveying](#)
- Hydraulic Fill Fundamentals Uncovered
- Mastering Soil Improvement for any Fill
- Soil and Rock Mechanics Unveiled
- Soil-Fluid Interaction Insights Unlocked
- [Project Management](#): Mitigating Risks, Performance Monitoring and Project Reporting
- Delivering Reliable, Accurate [Estimates](#)
- Pioneering [Environmental Sustainability](#)
- Effective Contract Management

***As our training courses are modular, i2D can tailor modules to suit your needs
Reach out if you have an interest in specific modules***

D&R Masterclass Programme

Course Modules Schedule

Day 1

- Dredging Engineering & Reclamation 101 (*Essential/Basics*) — Greg Miller, 2 hrs
- Fundamental Dredging Techniques Revealed and Dredger Types Capabilities Explained (*Essential/Basics*) — Simon Burgmans, 2 hrs
- Accurate Dredging Designs & Surveys (*Essential/Basics*) — Shameeka Nanayakkara, 1 hr

Day 2

- Hydraulic Fill Fundamentals Uncovered (*Basics*) — Simon Burgmans, 2 hrs
- Mastering Soil Improvement for Any Fill (*Basics*) — Greg Miller, 1 hr
- Soil & Rock Mechanics Unveiled (*Essential/Advanced*) — Simon Burgmans, 2 hrs

Day 3

- Soil-Fluid Interaction Insights Unlocked (*Essential/Advanced*) — Simon Burgmans, 1 hr hour
- Project Management: Mitigating Risks (*Essential/Basics*) — Greg Miller, 1.5 hrs
- Project Management: Performance Monitoring & Project Reporting (*Essential/Basics*) — Greg Miller, 1.5 hrs
- Delivering Accurate, Reliable Estimates (*Specialist/Advanced*) — Simon Burgmans, 1 hr

Day 4

- Pioneering Environmental Sustainability (*Essential/Basics*) — Valerie Biernaux, 2 hrs
- Effective Contract Management (*Specialist/Advanced*) — Simon Burgmans, 2 hrs

Anyone unable to join the full 4-day course can select specific modules to attend

Click [here](#) for more detailed module content information

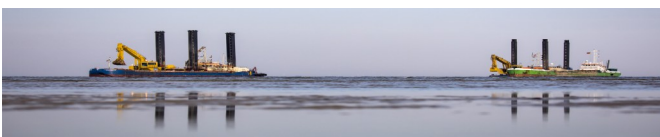
Where and When?

- From anywhere in the world with internet access, or join us at i2D's offices at:
Unit 2, 48 May Street, Bayswater WA 6053, Perth, Western Australia
- For scheduled dates, times and pricing, please visit: www.in2dredging.com/event

Food, Refreshments and Breaks

For participants attending the course in person, i2D will provide food and refreshments throughout the programme. Please indicate any specific dietary requirements when enrolling.

Regular breaks will be scheduled during the day.



D&R Masterclass Details

Who should attend?

Anyone planning to execute dredging and reclamation projects to ensure their success, as well as those already managing such projects, either from the owner or contractor side, who want to improve their knowledge of dredging and reclamation.

What will you learn?

- Cutting-edge reclamation techniques
- Optimal dredging equipment selection and their operational limits
- Conducting effective site investigations to inform project planning
- Understanding soil conditions and applying dredging and improvement methods
- Designing and planning successful dredging reclamation projects
- Identifying, mitigating and controlling project risks
- Minimising environmental impacts and enhancing ecological value from dredged materials
- Securing social licenses to operate for long-term project success
- Accurately estimating productivity, project duration and costs
- Navigating contracts and effectively managing disputes

Why would you attend?

Training by SMEs on the fundamentals of dredging and reclamation is important to gain deeper insights into what to focus on and develop.

About the Presenters



Greg Miller holds a Bachelor of Technology (Mathematics A) from Deakin University, Australia, and has over 40 years' experience in dredging, marine works and civil construction.

He has worked with in2Dredging since its founding and is a Principal Dredging Consultant with extensive practical experience.



Valerie Biernaux has a Master of Science in Physical Geography from the University of Brussels, Belgium, and over 15 years' international experience in offshore, coastal and estuarine marine infrastructure projects.

She has been involved with i2D since its early days and works as a Lead Environmental Consultant and Lead Dredging Engineer.



Simon Burgmans holds a Master of Science in Civil Engineering (Dredging) from Delft University of Technology.

With over 20 years' experience across dredging, mining and oil and gas projects, he has worked in engineering, estimating and execution roles. Simon is the Founder of in2Dredging and a Principal Dredging Engineer.



Shameeka Nanayakarra is a senior dredging engineer at in2Dredging, supporting international dredging and marine infrastructure projects.

Her work focuses on engineering analysis, technical studies and data-driven support for dredging and reclamation projects.



Contact Us

We are here to help

If you would like to discover how we can assist you to successfully achieve your projects' goals, please don't hesitate to contact us.

Our Approach as Dredging Consultants

- Flexible and self-motivated approach
- Global 24/7 support
- Competitive rates
- Clear and effective communication
- Academic and field expertise enabling innovation
- Confidentiality and integrity

Dredging Support

- Projects are completed safely, cost-effectively and successfully
- Contractors deliver operational improvements
- Engineers address all requirements through suitable design

Our Dredging Consultancy Services

- Project and Programme Management
- Advanced Dredging Engineering
- Reliable Dredging Estimation
- Insightful Geographic Data Processing
- Environmental Services
- Cutting-edge [Research, Development & Innovation](#)
- Impartial Expert Witness Services
- Comprehensive [Dredging Training](#)

Key Contacts

Grace Dennis

Training Course Enquiries
Grace.Dennis@in2Dredging.com
+61 (0)413 689 377

Simon Burgmans

Dredging Enquiries
Simon.Burgmans@in2Dredging.com
+61 (0)408 134 534

Sandra Gyles

General Enquiries and Administration
Sandra.Gyles@in2Dredging.com
+61 (0)406 862 741
+32 (0)484 101 447

Offices

i2D's business offices are located in Perth, Australia.

