

Renewable Energy Capability Statement

ABOUT CDI EXPERTS

LEADING THE INDUSTRY

Whatever it takes to exceed expectations is what we'll deliver. We bring rigour to our approach and processes, often revealing issues unseen by our rivals. Accuracy, efficiency and timeliness is always our main aim.

"We are uniquely positioned to review complicated situations and tell you what you need to know, whether it be good news or bad. This will enable all parties involved in the dispute to engage in well-informed decision making, hopefully resulting in expeditious settlement."

Tony Hughes
Managing Partner



The CDI team has experience working on all types of construction projects, including but not limited to commercial buildings, water/wastewater treatment plants, industrial and manufacturing facilities, power plants, bridges and roads, rail and light rail systems, airports, institutional buildings, sporting arenas, maintenance and test facilities, retail outlets, and multifamily housing units. Our team has established a reputation of excellence, combining technical and analytical training with construction experience to exceed our client's expectations in everything we do.

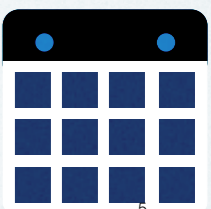
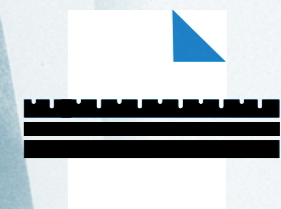
Successful completion for every project is our driving ambition. Positive focus on delivery is how we do it.

Our experience covers a wide range of complex projects with our expertise being called for—and highly beneficial—at any stage. We manage project risk from the tender stage through project execution and closeout, to resolution of any potential disputes. Our specialist services are welcomed from a broad range of clients that sit on either side of the table.

These include:

- » Owners and government organisations
- » Main contractors and subcontractors
- » Utility companies and manufacturers
- » Legal Firms
- » Insurance Firms
- » Banks and financial institutions

With our vast experience in the renewable energy sector, we have taken on projects all over the world. We are not just another consultancy firm; rather, through collaboration with clients and business partners alike to produce real-life solutions that solve your challenges for our power generation clients. At CDI, our expert teams tailor their expertise according to each commission they take on so you can be confident about getting an accurate account of what might work best for solving these daunting problems before it becomes too late - or even worse - costly.



CDI evolution and edge

CDI Experts evolved from its original constitution, Qillin Group, founded in 2014 by managing partner, Tony Hughes. CDIE was then founded in 2019 by Tony Hughes. Having worked together in one capacity or another for years, our partners, directors and staff share over 85 years of technical and live project experience. We know how to work together to get the job done and have achieved this on a range of diverse and iconic projects across the world.

Whatever it takes to exceed expectations is what we'll deliver. We bring rigour to our approach and processes, often revealing issues unseen by our rivals. Accuracy, efficiency and timeliness is always our main aim. Our specialist consultants are formally educated and professionally trained. They were selected to join us because of their notable achievements on previous commercial building and construction projects. Collectively and individually, we harness a level of commercial nous that others don't. We see how project problems fit together in the context of wider business problems-and how best to resolve or mitigate them holistically. Drawing extensively from the experience we've gained in these different global regions and industry sectors, we convert that to innovative solutions for our clients. With complete independence as a privately owned company, we put your interests first, protecting you by delivering outstanding service to solve complex commercial challenges.

PROJECT EXPERIENCE

CDI Experts have an impressive portfolio that displays experience across several complex renewable energy projects.

CDI Experts are Construction, Claims and Dispute Management Consultants and experienced across major renewable energy projects in Australia, Middle East and SE Asia. We have provided consultancy services as well as preparing and defended claims across a portfolio of projects and packages. This includes;

- » Waad AL Shamal Integrated Solar and Combined Cycle Power Plant, Saudi Arabia
- » Duba Green Integrated Solar and Combined Cycle Power Plant, Saudi Arabia
- » Woodstock II Solar & Battery Project, Townsville, Queensland, Australia
- » Yandin Windfarm, Western Australia, Australia
- » Stockyard Hill Windfarm, Victoria, Australia
- » Moorabool North Windfarm, Victoria, Australia
- » Kondinin Hybrid Energy Park, Western Australia, Australia
- » Steamboat Hills Geothermal Plant Expansion, Denver, Colorado, USA
- » Joppa Steam Electric Station, EEL, Inc Denver, Colorado, USA
- » Hawaiian Electric Company, Controls System Upgrade Project, Oahu, Hawaii, USA

SERVICES PROVIDED

- » Contract Administration
- » Claims Management
- » Cost Management
- » Project Control Management
- » Delay, Disruption, Acceleration And Productivity Analysis
- » Quantum Analysis
- » Claims Defence & Negotiation
- » Dispute Resolution Strategy
- » Expert Reports And Testimony
- » Project Management
- » Project Audits
- » Development Due Diligence

Renewable energy sector experience



Waad AL Shamal Integrated Solar 1500MW CCGP

The project incorporated an integrated solar and combined cycle (ISCC) power plant with total capacity of 1,390MW. The plant will also include 50 megawatts of the concentrated solar plant which will be integrated with the CCGT water-steam cycle. The project will be able to provide the equivalent power needed to supply more than 500,000 Saudi homes.



Duba Green Integrated Solar 600MW CCGP

Implemented by state-owned Saudi Electricity Company (SEC), Green Duba is Saudi Arabia's first fossil fuel-fired power plant to utilise solar energy for more efficient power generation. The integrated project consists of a 550MW gas/condensate-fired combined-cycle facility, and a parabolic trough type concentrated solar power (CSP) facility capable of generating up to 50MW of additional electricity.

Wind, solar, and renewable energy projects



Yandin Windfarm, Western Australia – 51 nr Wind Turbines

Yandin Windfarm is located 175km north of Perth near the town of Dandaragan. It is Western Australia's largest wind farm, with 51 wind turbine generators generating the equivalent amount of energy consumed by 200,000 homes.



Stockyard Hill Windfarm, Victoria - 150 nr Wind Turbines

Stockyard Hill Wind Farm is a wind farm project in Victoria Australia. As of June 2020, 107 of a planned 149 turbines was operational and connected to the grid. When it is fully commissioned, it is expected to produce up to 530MW, making it Australia's largest wind farm.



Moorabool North Windfarm, Victoria – 50 nr Wind Turbines

The Project consists of 104 wind turbines located approximately 25km southeast of Ballarat. The project will produce up to 312 MW, approximately 1,050,000 MWh of electricity annually. This is enough renewable energy to power the equivalent of 228,000 average Victorian homes every year, representing approximately 10% of Victorian homes. 50 wind turbines are constructed in the Northern Section and 54 turbines are currently under construction in the Southern Section. All turbines proposed are 169m to the tip of the blade.



Merredin Solar Farm, Western Australia, Australia

The 100MW Merredin solar farm is the biggest in the state of Western Australia to date. The solar farm has reached its full generation capacity in a timeline that would be the envy of solar developers and owners worldwide.



Kondinin Hybrid Energy Park - 46nr Wind Turbines, 50mw solar & 100MW Battery

The Kondinin Wind and Solar Farm project is located 250 km east of Perth, within close proximity of the Kondinin 220kV/132kV substation. Power produced by the project flows through this substation and then into the Western Power network.



Woodstock II Solar & Battery Project, Townsville Queensland

Woodstock Solar Farm is a 220MW development with 200MW, 4-hour Battery Energy Storage System (BESS). The project is located approximately 30 kms South of Townsville in northern Queensland and covers an area of 545 hectares. The North-Eastern site corner is approximately 700m from the dual Ross-Strathmore 275kV transmission lines, approximately 7 kms away from Woodstock Substation which is also the starting point of the Copper String HV Transmission Major Project Development.

Upcoming and current projects



NSW BESS Portfolio for Clean Energy Transfer Fund

Clean Energy Transfer Fund (CETF) is developing a number of sub-5MW battery projects in ten different sites in the Hunter Valley region of New South Wales as part of the first phase of its 4.99 Project programme. All BESS systems will be connected to the Ausgrid 11kV network and will use key equipment such as Batteries, Power Conversion Units and Battery Energy Management Systems.



29MW Ben Tre V1-3 intertidal wind farm in Vietnam

The Ben Tre V1-3 wind project will be located in Ba Tri District of Ben Tre Province in the Mekong Delta region of Vietnam. The project consists of seven V150-4.2 MW wind turbines that will be installed in shallow waters close to shore. Each turbine will be equipped with a full-scale converter.



Snowy Hydro Energy Project 2.0, NSW Australia

The Snowy Hydro Energy Project is the largest committed renewable energy project in Australia. Snowy 2.0 will underpin the nation's secure and stable transition to a low-carbon emissions future at the lowest cost for consumers. The project involves linking two existing dams, Tantangara and Talbingo, through 27km of tunnels and building a new underground power station. Water will be pumped to the upper dam when there is surplus renewable energy production and the demand for energy is low, and then released back to the lower dam to generate energy when electricity demand is high.



CDI Experts utilise SmartPM's advanced CPM scheduling software in all projects

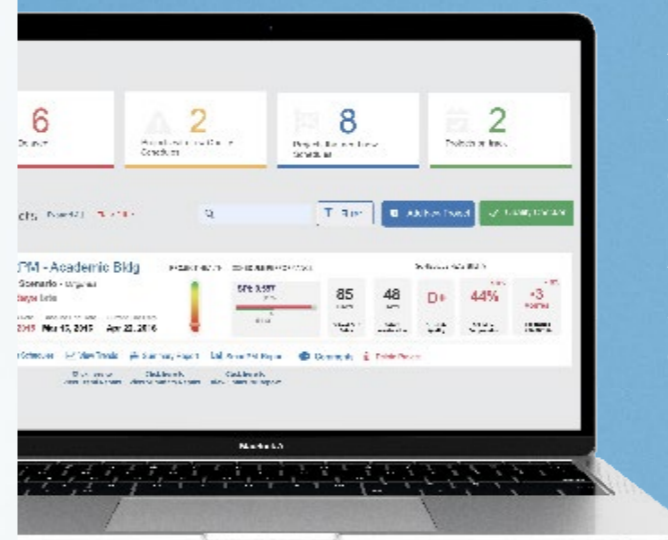
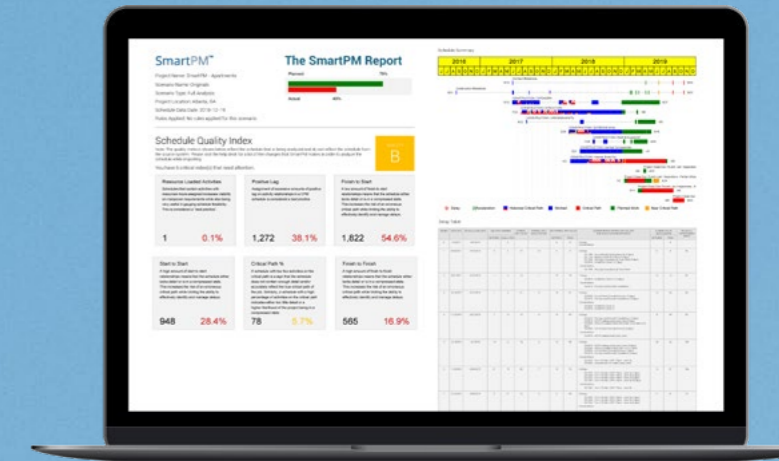
SmartPM™ is a real-time automated project controls platform that translates construction scheduling data and analytics into objective, reliable, and concise visuals all stakeholders can understand and utilize proactively to address critical project risk issues.

Analyse Your Schedule In Minutes

Reviewing schedules can be very tedious and time consuming typically taking hours, days, and even weeks at a time. SmartPM does it in minutes.

Portfolio Dashboard

Track key schedule performance metrics related to progress, delays, compression, and estimated completion across all of your projects.



Project Analytics Portal

Access an intuitive portal that offers deep insights related to schedule quality, changes, critical path delay, and recovery. This also allows the ability to create scenarios and model outcomes.

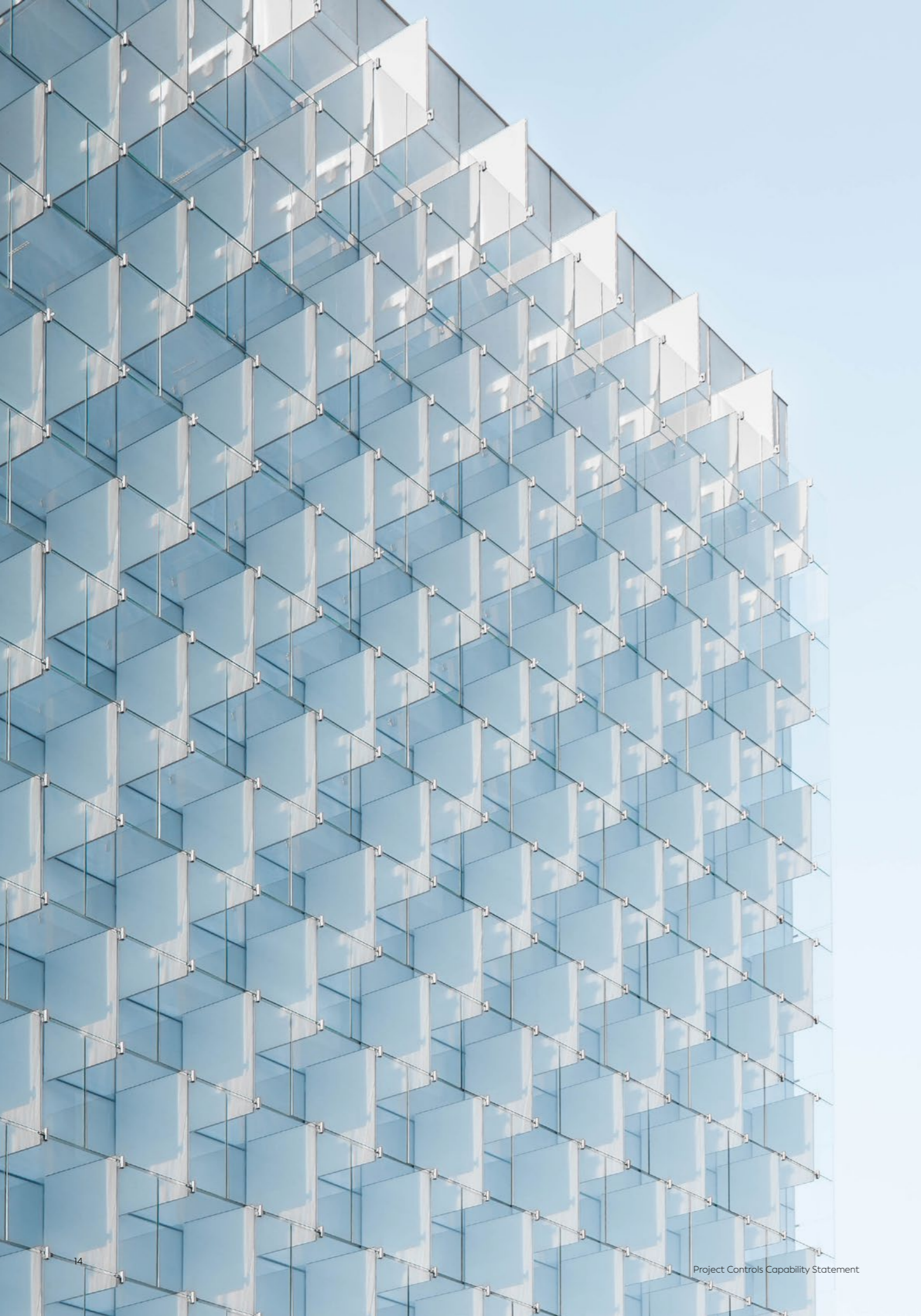
Automated Analysis

SmartPM increases the Analytical output of Project Controls and Scheduling professionals by up to 30X.

Auto Generated Reports

SmartPM generates custom reports that can be used to facilitate better schedule meetings and support for extension of time requests.

We are looking to engage with Corporate Management, Project and Commercial Managers. To better understand construction schedule data and how to reduce risks on projects visit:
improveyourschedule.com



PHILOSOPHY

Quality breeds impeccable execution and excellence

We are driven by a strong level of passion in what we do. This is expressed in how we go about our work, knowing that things can always be improved. Central to our actions and promise to our clients is the principal of quality. It imbues every facet of our business.

It drives quick response and innovation.

It drives exceedingly great outcomes.

All of which drive mutual success and growth.

These are the principles that our clients know and value and why they repeatedly return.

Let truth be told, even if it's uncomfortable

Honesty ultimately underpins efficiency.

When we tell it how it is, we give clients the opportunity to make better decisions based on accurate information and expert opinion.

Facts need to be accepted as facts and they need to be understood. Problems shared help to 'right the ship' earlier, which leads to sizeable savings in cost, time and the prevention of risk.

Exhibit foresight to avoid problems in hindsight

CDI's construction consultants are experienced practitioners from both private practice and contracting backgrounds forming multi-disciplined teams.

Measured and methodical in our daily conduct, our common goal is to achieve maximum efficiency. This means anticipating what the effects of our actions in any given moment might be.

Simplicity enhances efficiency

Our strategies and solutions focus on using the best techniques to achieve the most cost effective and timely results.

We're high on quality, low on rates, require less bodies to do the job well, and you have more access to input from our executive-level team.

MANAGEMENT TEAM



Tony Hughes
Managing Partner

Tony has more than 20 years of experience in the construction industry, which includes 15 years specializing in delay and disruption, contracts and claims management. His project experience includes building schemes, defence, rail, civil engineering, major mining, power and oil & gas mega projects. He has worked in the USA, Ireland, UK, Middle East, Malaysia, Indonesia, Singapore, and Australia.



Dr Michael Thurlbeck
Non-Executive Director

Dr Thurlbeck has more than 35 years' experience in the energy, oil and gas, process, engineering and marine sectors, he is a Chartered Fellow of the Chartered Management Institute (CMI) and Fellow of the Royal Institution of Naval Architects (RINA). Thurlbeck was the Worldwide Ambassador for Sunderland City for 6 years, and a board Member of Sunderland Strategic Partnership for 7 years.



Chris Hodges
Regional Partner Western Australia

Chris is an Associate Partner with CDI Experts based in Perth, Western Australia. He has over 28 years' experience on land and marine infrastructure, building construction, industrial, mining and oil & gas projects across Southern Africa, United Kingdom, Australia, and the Middle East. Chris specialises in providing delay analysis and expert opinion which is founded on 18 years in planning and project control, and nine years engineering survey interspersed with site management.



Bill Gillson
Regional Partner East Coast & NT

Bill has established in his 20 plus years' experience all aspects of commercial, contract and change management across Australia and internationally. Bill has been a member of a Statutory Board for Rottnest Island after being appointed by Governor of Western Australia. Bill has also had experience in major bid and forming of joint ventures and partnership arrangements on major projects. In the early years of his career has led significant investigations for private and government authorities. His expertise encompasses all aspects of commercial and contract management, claims, risk assessment, compliance, and team leadership.

REGIONS

- » Australia
- » SE Asia
- » UAE
- » KSA
- » UK
- » Ireland

Our proven reputation as a key player in the management of risk on building and construction projects extends to many regions across the world.

We fully comprehend that we're dealing with whole organisations and not just projects. Where our value lies is in our lean composition and ability to resource complex projects with top industry professionals—while avoiding being overstretched.



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