

Dr Karel (Karl) Nolles

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Karl is an experienced energy and environmental finance executive and academic, and has held company directorships and CEO/COO/CIO positions. He has both engineering and economics qualifications and extensive commercial experience.

He has led teams across strategy, risk, financial services compliance and operations as well as having managed operational businesses and conducted whole of company turn-around.

Since 2020 has been primarily consulting under retainer with the NSW Department of Environment regarding ESG / Green Finance and Biodiversity markets, and undertaking a range of ad-hoc consultancies.

Ten+ years investment banking, investment management and corporate experience, particularly around green / sustainable finance

- Deal origination, structuring, approvals, execution and ongoing investment management in the sustainable finance / carbon / green sectors.
- Investment Manager on behalf of Macquarie Bank, and represented Macquarie as a Director on the boards of companies where there was an investment. Accountable for overseeing the strategy, risk and compliance, and overall financial performance of those investments.
- Represented Macquarie in dealings with Government up to Senior Ministerial level.
- Seconded from Macquarie to be CEO of an investee company to conduct turn-around.
- Senior Consultant in a financial compliance consulting firm.

Ten+ years as an academic with University of NSW, University of Sydney, George Mason University (Washington DC) and currently a Visiting Professor with the Joint Graduate School of Energy and the Environment at King Mongkut University of Technology (Thailand).

- Research across energy and environmental policy, sustainability, ESG investing.
- Citations available at: [GoogleScholar](#)

Invited expert participant in various Government policy development processes (in the US and Australia) around ecosystem services, land use, carbon, energy, and renewables.

Worked in Australia, UK, US, Thailand, Malaysia.

He was a founding member of the Macquarie Bank / Macquarie Capital renewables & climate change team (2007-2013), Head of Strategy and Product for the Clean Energy Derivatives Corporation (2017-19), Head of Market Design for SocietyOne (2014-16) and Manager Electricity Reform with NT Power and Water (2019/2020). He was the Chief Investment Officer for the Yamanah Investments pilot project with the Indigenous Land and Sea Corporation in 2020.

Qualifications and Training

- PhD, (Economics & Electrical Engineering) University of New South Wales (2007)
- Hons. Electrical Engineering, University of Melbourne (1992)
- BA/LLB (3 of 5 years completed)

Summary of Professional Work Experience

Period	Organisation	Position
• 1999-present	Aton Consulting	Owner
• 2019-present	King Mongkut University	Visiting Professor, JGSEE
• 2020-present	NSW Govt	Consultant to NSW Department of Environment
• 2020	Yamanah Investments/ILSC	Chief Investment Officer (CIO)
• 2019-20	NT Power and Water	Manager, Electricity Reform
• 2017-19	Clean Energy Derivatives Corp	Head of Strategy & Research
• 2016	Solana.io (blockchain startup)	Chief Operating Officer (COO)
• 2014-16	SocietyOne	Head of Market Design
• 2013	Aust. Energy Markets Commission	Consultant
• 2012-13	Nextgen Brokerage	Chief Executive Officer (CEO)
• 2013-2019	Certainty Compliance	Senior Consultant (ad-hoc)
• 2007-2013	Macquarie Bank/Capital	Assoc. Director
• 2007-2016	University of Sydney	Senior Lecturer
• 2004-2007	University of New South Wales	Senior Research Fellow
• 2000-2004	Aust. Financial Markets Assoc.	Senior Policy Officer