

Dr Kathy Meney

Director

Career Overview

Kathy is the Founder and Director of Syrinx Environmental PL, which is as a leading sustainable design and innovation company in Australia and overseas. She is an internationally renowned systems ecologist with extensive experience in sustainable design, wetland design, wastewater treatment & reuse, integrated resource management, restoration ecology, environmental remediation and ecological engineering. Kathy is well known for integrating and combining multiple disciplines and linking visionary and pragmatic thinking to deliver solutions for varied environmental challenges. Many of her projects have received international and national awards for innovation, crossing urban design, environmental, engineering and technical science categories.

In the water sector, Kathy's experience includes expert advisory and vision keeping roles, alternative infrastructure strategies and decision tools, and the design and delivery of integrated stormwater and wastewater projects applying green infrastructure and water-sensitive city approaches.

Selected Project Experience

- Project Director | lead designer for various sewage treatment + reuse wetlands (Lake Bolac, Vic, King Island Council, Tas, Missiondale Tas, Biosecurity building at Latrobe, Vic, various rural Victorian towns, Mundaring WA).
- Project Director | lead designer for an innovative landfill leachate treatment wetland, Burnie, Tas.
- Business case studies for whole-of-cycle water management for - Southbank Corporation, Brisbane; VicUrban Officer Development, Melbourne; Water Corporation/MRA,/City of Perth, Perth City; Curtin University, Murdoch University.
- Hopetoun Alternative Sustainable Infrastructure project – development of alternative water, wastewater, energy solutions; development of decision tool, first of its kind project in WA. LandCorp, WA
- Halls Creek & Broome Sustainable Infrastructure projects - development of alternative water, wastewater, energy & housing solutions, WaterCorp + LandCorp, WA
- Principal - sustainability, environmental and engineering investigations and design for a sustainable urban development at Waterbank, MRA, Perth.

Professional Expertise

- Project direction and co-ordination of complex projects requiring multidisciplinary thinking in urban, rural and mining environments
- Holistic and pragmatic sustainability thinker and driver of creative sustainability solutions
- Strategic adviser across sustainability, restoration, and biodiversity spheres
- Collaborative research partnerships in applied science with universities and across various scientific arenas
- Innovation leader

Qualifications, Memberships & Affiliations

- PhD [Botany/Ecology], UWA
- BA [Biol, Econ, Geog], Curtin University
- Wetland Research Association [Vice President]
- International Water Association
- Australian Water Association
- Environment Institute of Australia and New Zealand
- Society for Ecological Restoration
- Environmental Consultants Association
- University of WA (collaborative research partner)
- Panel expert (sustainability, environment) for MRA
- Ongoing strategic adviser and expert reviewer to BHPB Iron Ore, MRA WA, Department of Water WA)

- Ecological research and concept design of an urban Wadi Ecological Park in Doha, Qatar.
- Various stormwater and wastewater wetland/biofilter designs (Perth - Point Fraser Waterfront Development, Liege St wetland, Wharf St wetland, Tas - various Derwent Estuary projects).
- Integrated water management & green infrastructure planning & design, including living streams and decentralised WWTPs for Curtin University, Murdoch University, Stirling Alliance, Perth Airport, WA.
- Research and pilot trial of decentralised water supply systems (RO, phytodesalination, solar distillation) for farms and communities, Water Corporation, WA.
- Sustainability, environmental design & asset management for geothermal / rainwater harvesting system for inner city medium density development Australia, MRA , Perth.
- ESD strategies and guidelines; sustainability audits and reviews (various projects).