



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, sustainable remediation and ecological design. Kathy is well known for integrating and combining multiple disciplines and linking visionary and pragmatic thinking to deliver solutions for varied project challenges. Many of her projects have received international and national awards for innovation, crossing urban design, environmental, engineering and technical science categories.

Kathy's experience includes expert advisory and vision keeping roles, ecology-led design, alternative infrastructure strategies and decision tools, and blue-green infrastructure and water-sensitive city approaches.

Qualifications

- PhD [Botany/Ecology], UWA
- BA [Biol, Econ, Geog], Curtin University

Selected Project Experience

- Green infrastructure water plan & decision tool for decentralised supplies, Water Corporation, WA.
- Sustainability & green infrastructure design of administration precinct, Mid-West Ports, Geraldton WA.
- Precinct sustainability planning, design & management of a geothermal / rainwater harvesting system for a mixed use development, MRA, Perth, WA.
- Ecological design, integrated water management & green infrastructure planning & design, including living streams and decentralised WWTPs for Curtin University, Murdoch, University, Stirling Alliance, Perth Airport, WA.
- Ecological research and concept design of an urban Wadi Ecological Park in Doha, Qatar.
- Sustainable remediation of landfill sites, including innovative leachate treatment wetlands & biofilters to enhance biodiversity, recreation/education; Burnie and Copping, 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.
- Sustainability, environmental and engineering investigations and design for a sustainable urban development at Waterbank, MRA, Perth.

Other Professional Roles

- State Design Review Panel sustainability & environmental design expert, Office of Govt Architects, WA.
- Panel expert (sustainability, environment) for MRA, WA.
- STEM (IMNIS) National Industry Mentor, Aus.
- Founding Director, Catalyst Sustainability Tools
- Founding Director, AusTas Innovations
- Wetland Research Association [Vice President]
- University of WA (collaborative research partner)
- Ongoing strategic adviser and expert reviewer to BHP Mineral Group

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.

- Planning, design, research, restoration & completion monitoring of a 400 ha post-mine area (mineral sands) for BHPB Beenup in south west WA. Considered a global exemplar of ecological restoration.
- Greater Curtin Masterplan - ecological and sustainability lead, Curtin University.
- Murdoch University South St Ecological Precinct concept design, Murdoch University.
- Therapeutic and restorative landscape design for aged care (Hall & Prior) and ecotourism (CBM Musselroe) projects
- Various WSUD and green infrastructure designs (Perth - Liege St wetland, Wharf St wetland, TAS – various Derwent Estuary projects, Tivoli).
- ESD strategies and guidelines; sustainability audits and reviews (various projects).
- Research & development of various processes & products in green infrastructure, sustainable design.

Personal Awards

- Gleeson Award [New York], Best Technical Publication of the Year (2001)
- Australian Mining and Energy Environmental Foundation [AMEEF] National Environmental Award 1993 (co-recipient)