

# KEY PERSONNEL



**Name:** Heath Lang

**Position:** Renewable Energy Engineer - Verve Energy  
Project Manager - Diesel & Wind Systems

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**Qualifications:** Master of Science (RE Technologies), Murdoch University, 2000.  
Bachelor of Applied Science (Energy Studies), Murdoch University, 1998.  
Bachelor of Engineering, First Class Honours (Environmental Engineering), University of Western Australia, 1997.  
Business Council for Sustainable Energy (BSCE) Accredited Designer

**Professional Expertise:** Sustainable energy resource monitoring, needs assessment, system design, modelling and development, and system monitoring, analysis and evaluation focusing on wind and solar.  
Project development, planning, proposals, specification, costing, contracts, management and supervision, feasibility studies, environmental management, stakeholder management, indigenous consultation.

**Professional Interests:** Development of innovative solutions which are consistent with the principles of sustainable development. Development and implementation of sustainable energy projects. Promotion of renewable energy and energy efficiency. Sustainable energy for developing communities.

**Current responsibilities:** Part of a multidisciplinary professional team who identify, develop, gain approvals for and install renewable energy projects for Verve Energy, D&WS, and for external clients.  
Project management of the wind aspect of the \$9.6M Coral Bay Wind Diesel System, \$3.8M Kalbarri Wind Farm, and \$1.2M Denham Wind Farm Expansion.  
Contract negotiations with a German supplier for wind turbine supply for Hopetoun, Denham and Kalbarri worth \$4.0M, and a French supplier for the Coral Bay wind turbines worth \$1.8M.  
Wind monitoring and evaluation at Lake Macleod, Coral Bay and Kalbarri.

**Career highlights:** Successful contract negotiation for the Coral Bay wind turbines with a French supplier, where the turbines had not previously been used in Australia or by Verve Energy.  
Whilst working for the Centre for Appropriate Technology, development of community energy needs assessment and system requirements documentation and input into the Bushlight Community Energy Planning Model (CEPM). Lead role in the system design and specification for Bushlight Household, Community and Hybrid Renewable Energy (RE) systems (36+ systems ~\$3m+ installed) for indigenous communities throughout northern and central Australia. This included the development of a suite of standard systems and demand side management measures that could be customised for each community.

**Awards:** Australian CRC for Renewable Energy (ACRE) Renewable Energy Technology Prize 2000 for MSc Dissertation.  
Recipient of ACRE and and Alternative Energy Development Board Student Scholarships 1999-2000.

**Member Institutes:** Member of the Engineers Australia, and Association of Professional Engineers, Scientists and Managers, Australia.

**Other:** Current senior first aid certificate.

