

## **William Hollier, Director, EnGen Institute**



**EnGen Institute**, a not-for-profit research and education body established in 1992. As director of EnGen Institute, Will oversees the three principal areas of research – engineering, environment and energy. The engineering program applies generative systems for design automation. The environment program researches self-replicating systems as a technical basis for the development of life support environments, and the energy program researches renewable energy systems, in particular, ocean current and hydrogen energy systems.

EnGen Institute commenced tidal energy research in 1996 and is collaborating with the Australian Maritime College, The University of Queensland and The University of Melbourne to develop tidal power systems. A spin-off company HydroGen Power Industries Pty Ltd has developed submersible generators and power electronics and an instrumented power pontoon. Current research includes jetty and bridge based tidal power systems utilizing cross-flow turbines, tidal hydro and tidal desalination.

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William Hollier is a research scientist with experience in industrial design and a commercialisation track record. As a scientist his focus is software for automating design and closed cycle life-support and environmental systems. As an entrepreneur Will has initiated industrial design programs and built organisations and teams from the ground up in both lead and supporting roles across all phases of the business life-cycle.

## **WILLIAM HOLLIER - RESUME**

William Hollier is a research scientist (BSc Physics, Monash University 1970) specialising in applying systems science to software, electronic, mechatronic and biological systems development.

Will lectures at RMIT, School of Electrical and Computer Engineering having developed a Masters of Engineering (Simulation) course including Simulation Based Design, Virtual Prototyping and Direct Engineering. In recent years Will has been involved in the ISO and Australian Standards Committees which produced new standards for information model based engineering design.

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