



**Professional Employment**

2015 from 2008 Company Director The Evah Institute	2007 from 1997 Principal Scientist BERU QLD DPW	1997 from 1995 Principal Scientist EDU NSW DPW&S	1995 from 1980 Research Scientist BHP Research
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**Awards**

- 2006 Financing Innovation Growth Queensland Marketing Award
- 2001 Facilities Managers Association Research Award
- 1998 Banksia Foundation Built Environment Award
- 1997 Banksia Foundation Environment Government Award

**Academic Education**

Bachelor of Science	Environment	Wollongong	1980-76
Master of Arts (Hons) (98% pre MVA)	Technology Management	University	1986-83

Del has had published 7 patents, 3 books, >10 book chapters, >75 papers and >100 research reports.

Competency	Area	Expertise
Business Management	Development	Managed R&D, pilot to market products
	Leadership	Project leader, supervisor, mentor
Business Development	Client Relationships	Established, practical client-focused consultant
	Strategic Alliances	International network, consortia & alliances
Analytical Thinking	Decision Making	Decisive, tactically & strategically strong
	Economic/Financial	Delivers practical and cost effective solutions

In 2008 Del founded the Evah Institute with 6 Associates which she still leads as Managing Director and 14 Associates. The Institute models product supply chains to provide ecoprofiles to researchers, developers, manufacturers and certifiers for the purposes of checking, due diligence, accreditation and ecolabelling. Evah provides market research, whole building Carbon intensity reports, product full life cycle impact assessments as well as Environmental Product and Building Declarations.

In 2002 while at QDPW Delwyn was seconded by the CSIRO to the CRC CI world's first BIM automated building ecoprofiling software project to develop a National supply chain eco-inventory (LCI) database. By 2008 national supply chain databases had been developed and piloted by many researchers including in California, Holland, Germany as well as 3 Australian states.

In 1999 with BERU colleagues she developed Guidelines adopted by the International Green Building Council. Del wrote the owner's brief applied in the first full-scale 5star energy rated Australian commercial offices. In 1995, her team of 7 developed an LCI database to eco-profile building design, NSW Supply Contracts and Olympic Games Homebush Bay development.

From 1990 working in Radio-Frequency Glow Discharge Optical Emission Spectrometry with colleague Dr Richard Payling, Del:

- Co-developed quantitative algorithms now implemented globally, ensuring they were taken-up by Instruments SA Jobin Yvon France & Japan. She was invited to work at Lonjumeau in Paris on 4 occasions to enable development of new instrumentation.
- Planned, co-wrote and co-edited the definitive 868 page GDOES reference book published by John Wiley and Sons in 1997
- Was the first Australian invited to become an EU GDOES Working Group member.

In 1990 after a disastrous fire at BHP metal coating lines Del lead recovery crews in two states:

- The BHP Board was quoted, in front of 150 staff, as saying those crews had "saved BHP's Bacon".
- As "inductor lady" in charge of technology and logistics recovering 8 coating pots at 2 plants.
- Full recovery of 6 NSW metal coating pots in 13 days against the 18-month record for 1 pot
- Del directed the pot refit and re-commissioning in the new \$180M Western Port No 6 Galvanising line to produce Zinalume®. The line was built to run at 180°C lower and had 25% less power at capacity than was essential for this new mode. She made key adjustments and after 6 days the first shift line crew insisted she man the pulpit and restart the line. It was the first time ever that this type of inductor furnace had run at 100% rated capacity. They ran on non-stop and unabated for 16 weeks, without incident, until rests for scheduled maintenance.

From 1987 while at BHP Research Delwyn was the BHP International Inductor Program Leader and in that role she:

- Brought 4 newly patented inductor products to market including MORALCAST AI NW refractory;
- Invented and established 5CAZ Inductor Technology for 60 ZINCALUME® global licensees as well as external companies Ajax Magnethermic USA & Japan and Major Furnace in Australia.
- Was responsible for the first ceramic electromagnetic levitation unit in BHP RTC pilot line and her patented liquid metal container-less coating technology was spun-off and is still used in California.

In 1965 Del began her career as a cadet BHP chemist and became a research scientist before studying environmental science.