

Robert Dvorak CV

CAREER SUMMARY

Highly motivated engineer, with practical operations management experience and understanding of polymer recycling, packaging and processing operations and polymer materials. Core competencies include:

- Research and development, process optimisation, problem solving & trouble-shooting, and process improvements within the plastics, recycling and packaging industries.
- Professional interests include technical research, product development, polymer science, sustainability within the plastic industry.

PROFESSIONAL HISTORY

NEXTEK LTD

Project Manager

01/06/2006 - present

- Project management of a series of commercial projects and WRAP funded projects such as, 'Large Scale HDPE Recycling', 'Using Post-Consumer Tyres in a Range of New Applications', 'Development of Lightweight Compostable Packaging' and 'Lightweighting of PET Bottle Packaging'.

O-I PLASTICS AUSTRALIA

Process Improvement Manager

01/07/2004 - 20/05/2006

Process Engineer - Victoria

01/11/2002 till 01/07/2004

Member of Victorian management team fully involved in overseeing aspects of company operations, customer support, production support, technology management and involvement in general business development.

- Technical customer support and quality assurance for Cadbury Schweppes, Heinz, Kraft, Coca-Cola Amatil, etc.
- Overview of machine operations and identification of non-optimum performance as improvement opportunities
- Provided overview of work processes and systems, in particular QA/QC systems.
- Technical involvement with development of hot-fill PET bottles, barrier layer bottles and RPET bottles.
- Responsibility for quality of PET preforms (Aust. wide) and responsibility for quality of PET bottles (Victoria).
- Analysis of multi-site waste streams and implementation of recycling strategy for 7 PET plants around Australia.

NYLEX INDUSTRIAL PRODUCTS PTY LTD

Development Engineer, R&D Projects

01/06/2001 - 30/10/2002

- Involved in management of key research projects between Nylex, CSIRO, CRC for Polymers, Monash/RMIT Universities, Qenos and Visy Plastics ('Automotive Blow Moulded Products from Restabilised Recycled Polyolefins' and 'Modification of Post-Consumer Bottle Grade HDPE by Reactive Extrusion').
- Process troubleshooting; commercial product development; waste minimisation projects across the Nylex group
- Product development & technical customer support for Amcor, ACI Glass, BHP.

VISY PLASTICS

Polymer Engineer

01/03/00 - 30/05/01

- Production of recycled post-consumer PET, blending of HDPE grades as well as cores made from recycled HDPE.
- Optimisation and troubleshooting of the sorting/washing and extrusion technologies & equipment

Industrial Research Institute of Swinburne (IRIS) Master's of Engineering by Research

1/5/98 to

1/3/2000

- Published a thesis on plastic sorting technologies
- Australian Postgraduate Award (Industry) Scholarship.

APS PLASTICS PTY. LTD.

Polymer Engineer

01/02/98 to 21/04/98

- Performed computer modelling and simulation for a processing analysis on developing products for the automotive industry

AMCOR (Containers Packaging)

Engineer - Graduate Industrial Work Experience

23/11/96 to 1/6/97

- Built an MS Access database for efficiently storing documentation related to customer products that linked products with processing parameters.
- Managed several material handling projects for plant process improvement & set-up and implemented quality system procedures for masterbatch & additive feeding and product colour testing.

- Maintain quality control of rapid prototyping using stereolithography

AWARDS ,PUBLICATIONS,PRESENTATIONS

- Ansett Australia Postgraduate Travel Scholarship 2000
- Best Innovative Business Plan, Industrial Research Institute
- Swinburne Venture Cup 2000 Business Plan Competition \$10,000 Chancellor's Award. The project later won EU funding
- 7 conference publications

PROFESSIONAL AFFILIATIONS

- Board Member & Treasurer of the Society of Plastics Engineers Australia-New Zealand (SPE-ANZ) since 1998.
- 2002 Chairman of SPE-ANZ Technical Program for Expoplas 2002, Annual Recycling & Sustainability Seminars
- Member of the Australian Institute of Packaging (AIP)
- Member of Engineers Without Borders-Australia (EWB-Aust)

EDUCATION

Master of Corporate Sustainability and Environmental Management	Monash University	2006
ISO QMS/EMS 14001Lead Auditor Certificate	SAI Global - (QSA International accredited)	2004
Instructor in Total Process Management (TPM)	Centre for TPM (Australasia)	2003
Master of Engineering (Research)	Swinburne University	2002
Certificate in Frontline Management	Monash Mt Eliza Business School	2001
Bachelor of Engineering (Polymer)	RMIT University	1998

- "ISO 9001:2000 for Internal Auditors" (Lloyd's Register Quality Assurance)
- "Auditing Skills for Management Systems", (QSA International)
- SAFETYMAP Training & Vic WorkCover Authority OHS Act Seminars
- SAP Computer Software Training - Visy Industries Technical Centre

PERSONAL DETAILS

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