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# Resume

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# Summary

Chartered Professional Electrical Engineer and RPEQ with over 20 years of experience in Project Engineering, Operations, Project Management, Business Management, Sales and Marketing. In addition to engineering qualifications, have post-graduate qualifications in Management and Information Technology.

Have worked in various industries including; Pulp and Paper, Water and Wastewater, Environmental Services, Consulting Engineering and Control Systems Integration. In addition, have had limited exposure to Mining, Building Services and Electricity Transmission and Distribution.

Am able to manage technical and commercial issues across multiple sites, contracts and clients.

Currently working for a large environmental services business with in excess of 100 operational sites across Australia and New Zealand with significant electrical and controls assets installed.

# Objectives

Currently seeking challenging positions and/or assignments in the following areas with dynamic, innovative and forward thinking organisations where engineering is critical to their success.

#### **Engineering Management**

Engineering Management of maintenance and/or capital works with responsibility for multiple sites or a large or complex single site.

#### **Consulting**

Short term consulting opportunities relating to,

* Control systems project definition, review and audit
* Procurement assistance
* Specifications, standards and procedures development and review
* Software development

#### **Pro-bono**

Pro-bono opportunities in the areas of automation, facilities management, electrical engineering, information technology and board positions.

# Capabilities

* Project Management
* Electrical Engineering
* Business Development
* Management
* Automation and Process Control
* Software Development
* Engineering

# Achievements

* Team Management
  + Serck Control
  + Veolia
* Engineering Management
  + Veolia Standards
  + MSSF bid specifications
* Shutdown Management
  + Norske Skog
* Business Process Improvement

### **Serck Controls**

### **MIPAC**

* Quotation management system
* Quotation templates and support materials
* Business Development

### **Serck Controls**

* Diversified client base from utilities only into manufacturing (Flecture Building & CoreGas)
* Quotation management and approval system

# Specialities

* Requirements Definition
* Engineering Management
* Project Management
* Continuous Process Control and Automation
* Industrial Power Distribution

# Key Positions

### **Electrical Engineering Manager**

The organisations in which I have held an Electrical Engineering Manager position are Veolia Water and Veolia Australia and New Zealand.

Veolia has extensive operations across Australia and New Zealand and my responsibilities include,

* Electrical engineering technical authority for all Australian and New Zealand operations
* Project management for new and existing operations
* Management of the Electrical, Instrumentation and Controls philosophy for all new projects
* Provide technical and engineering support to the Business Development team to ensure effective and optimal operational and maintenance solutions for treatment plants and network systems
* Development of specifications and concept designs to ensure E&I engineering is competitive and functional
* Design critique and review
* Asset condition assessment and development of renewals strategies
* Management of Electrical Engineering function
* Management of contractors and consultants
* Maintain relationships with key equipment and service providers

[Veolia Water Australia and New Zealand](http://patrickberry.name/index.php/resume/employment-history/26-veolia-australia-and-new-zealand)

[Veolia Water Australia](http://patrickberry.name/index.php/resume/employment-history/27-veolia-water-australia)

### **Operations Manager**

Operations management experience includes the following,

* Manager of Serck Controls Sydney Operations
* Project Manager for Department of Defence Waste Services contract establishment
* Deputy Albury office manager for MIPAC

[Serck Controls](http://patrickberry.name/index.php/resume/employment-history/28-serck-controls)

[MIPAC](http://patrickberry.name/index.php/resume/employment-history/30-mipac)

Projects Manager

At Serck Controls was responsible was responsible for the management of the Major Projects Group based in Sydney.

This group was delivering up to a dozen projects concurrently across multiple sites and clients.

[Serck Controls](http://patrickberry.name/index.php/resume/employment-history/28-serck-controls)

### **Project Manager**

Have managed numerous projects over the past ten years with a number of organisations.

A selection of significant projects that I have managed,

* Post Treatment Dosing Facility. Tender for QGC delivered under an ECI model.
* Department of Defence Waste Services. Operations establishment.
* Maximo CMMS. Implementation of IBM Maximo Computerised Maintenance Management System for the Sydney Desalination Plant.
* Rouse Hill RWP Stage 2 Amplifications. Control system integration for the expansion of the Rouse Hill Recycled Water Plant.
* Norske Skog, A1-265 PM1 Upgrade. Electrical and Instrumentation design, installation and commissioning of off-machine systems associated with a major paper machine rebuild.

[Veolia Water Australia and New Zealand](http://patrickberry.name/index.php/resume/employment-history/26-veolia-australia-and-new-zealand)

[Veolia Water Australia](http://patrickberry.name/index.php/resume/employment-history/27-veolia-water-australia)

[Serck Controls](http://patrickberry.name/index.php/resume/employment-history/28-serck-controls)

[MIPAC](http://patrickberry.name/index.php/resume/employment-history/29-mipac-2)

### **Account Manager**

Have had various account management and business development responsibilities with a number of organisations.

With MIPAC, I was the Account Manager for Pulp and Paper and responsible for business development activities in the Albury region.

[MIPAC](http://patrickberry.name/index.php/resume/employment-history/30-mipac)

### **Project Engineer**

Have electrical, automation, and process project engineering experience. Significant experience of construction management and commissioning.

Have worked for many years on large and complex projects.

[Jaakko Poyry](http://patrickberry.name/index.php/resume/employment-history/31-jaakko-poyry-group)

[MIPAC](http://patrickberry.name/index.php/resume/employment-history/29-mipac-2)

# Employment History

## [**Veolia ANZ**](http://patrickberry.name/index.php/resume/employment-history/26-veolia-australia-and-new-zealand)

### **Electrical, Instrumentation and Controls Manager**

#### **2014 - Present. Sydney, NSW**

Veolia is a global leader in environmental solutions. Veolia works closely with all levels of government and some of Australia and New Zealand’s largest industrial and commercial companies to help them reach their sustainability goals; providing them with large-scale innovative water, energy and waste solutions.

Across Australia and New Zealand, Veolia employs over 4000 staff in 150 locations of which a total of 117 are operational sites.

Principle electrical engineer responsible for supporting over 100 operational sites in the water, waste and energy divisions across Australia and New Zealand.

[Read more: Veolia ANZ](http://patrickberry.name/index.php/resume/employment-history/26-veolia-australia-and-new-zealand)

## [**Veolia Water Australia**](http://patrickberry.name/index.php/resume/employment-history/27-veolia-water-australia)

### **Electrical, Instrumentation and Controls Manager**

#### **2008 - 2014. Sydney, NSW**

Veolia Water is a world leader in water and wastewater services and specialises in the management of these services on behalf of public authorities and industry.

Principle electrical engineer responsible for supporting over 70 water treatment sites across Australia and New Zealand.

[Read more: Veolia Water Australia](http://patrickberry.name/index.php/resume/employment-history/27-veolia-water-australia)

## [**Serck Controls**](http://patrickberry.name/index.php/resume/employment-history/28-serck-controls)

### **Sydney Manager**

#### **2006 - 2008. Sydney, NSW**

Manager of Serck Controls Sydney office which included a major projects team, service group and product repair section.

[Read more: Serck Controls](http://patrickberry.name/index.php/resume/employment-history/28-serck-controls)

## [**MIPAC**](http://patrickberry.name/index.php/resume/employment-history/30-mipac)

http://patrickberry.name/images/cv-images/xmipac.png.pagespeed.ic.QL5n6n_H7j.png

### **Account Manager Pulp and Paper**

#### **2004 - 2006. Albury, NSW**

MIPAC are consulting engineers specializing in Process Automation and Control. MIPAC have traditionally concentrated on the mining industry. In 2002 a Pulp and Paper section was established based in Albury, NSW.

Responsibilities in this position included deputy branch office manager, account management and business development in the Pulp and Paper industry.

[Read more: MIPAC](http://patrickberry.name/index.php/resume/employment-history/30-mipac)

## [**MIPAC**](http://patrickberry.name/index.php/resume/employment-history/29-mipac-2)

http://patrickberry.name/images/cv-images/xmipac.png.pagespeed.ic.QL5n6n_H7j.png

### **Lead Project Engineer**

#### **2004 - 2006. Albury, NSW**

MIPAC are consulting engineers specializing in Process Automation and Control. MIPAC have traditionally concentrated on the mining industry. In 2002 a Pulp and Paper section was established based in Albury, NSW.

Responsibilities included leading project teams and project management.

[Read more: MIPAC](http://patrickberry.name/index.php/resume/employment-history/29-mipac-2)

## [**Jaakko Poyry Group**](http://patrickberry.name/index.php/resume/employment-history/31-jaakko-poyry-group)

http://patrickberry.name/images/cv-images/xpoyry.png.pagespeed.ic.BeZGqX6RmQ.jpg

### **Design Engineer**

#### **1993 - 2004. Melbourne, VIC; Helsinki, Finland; Durban South Africa**

The Jaakko Pöyry group is a multi-disciplined engineering consultancy with a global office network concentrating primarily on the Pulp and Paper Industry and Energy sectors.

Between 1993 and 2004 worked for several companies within the Jaakko Pöyry group as a Design Engineer with responsibilities primarily in the Process Automation area but also Electrical Engineering, Process Engineering and Software Development.

[Read more: Jaakko Poyry Group](http://patrickberry.name/index.php/resume/employment-history/31-jaakko-poyry-group)

## [**State Electricity Commission of Victoria (SECV)**](http://patrickberry.name/index.php/resume/employment-history/32-state-electricity-commission-of-victoria-secv)



### **Electrical Engineer**

#### **1992. Melbourne, VIC**

The State Electricity Commission of Victoria was a vertically integrated electricity producer and distributor in the state of Victoria.

As a member of the Sub-transmission Planning Department, responsibilities included,

* Preparation of load flow and fault level analysis for the sub transmission system.
* Made recommendations regarding system capacity and various options to remedy operational difficulties.

# Projects

1. [Barangaroo Recycled Water Plant](http://patrickberry.name/index.php/resume/projects/102-barangaroo-recycled-water-plant)
2. [Norske Skog, Golbey Mill, France](http://patrickberry.name/index.php/resume/projects/70-norske-skog-golbey-mill-france)
3. [Stora Forest Industries Ltd., Nova Scotia, Canada](http://patrickberry.name/index.php/resume/projects/71-stora-forest-industries-ltd-nova-scotia-canada)
4. [Mondi Kraft, Hot Stock Refining, Richards Bay Mill, Republic of South Africa](http://patrickberry.name/index.php/resume/projects/72-mondi-kraft-hot-stock-refining-richards-bay-mill-republic-of-south-africa)
5. [Mondi Paper, Alkaline Sizing Project, Merebank Mill, Republic of South Africa](http://patrickberry.name/index.php/resume/projects/73-mondi-paper-alkaline-sizing-project-merebank-mill-republic-of-south-africa)
6. [Mondi Paper, Coating Kitchen, Merebank Mill, Republic of South Africa](http://patrickberry.name/index.php/resume/projects/74-mondi-paper-coating-kitchen-merebank-mill-republic-of-south-africa)
7. [Mondi Kraft, Mill Rebuild, Piet Retief Mill, Republic of South Africa](http://patrickberry.name/index.php/resume/projects/75-mondi-kraft-mill-rebuild-piet-retief-mill-republic-of-south-africa)
8. [Mondi Kraft, Mill Optimisation, Richards Bay Mill, Republic of South Africa](http://patrickberry.name/index.php/resume/projects/76-mondi-kraft-mill-optimisation-richards-bay-mill-republic-of-south-africa)
9. [Nanning Pulp and Paper Mill, Nanning, The Peoples Republic of China.](http://patrickberry.name/index.php/resume/projects/77-nanning-pulp-and-paper-mill-nanning-the-peoples-republic-of-china)
10. [Australian Newsprint Mills, Recycled Fibre Plant, Albury, Australia.](http://patrickberry.name/index.php/resume/projects/78-australian-newsprint-mills-recycled-fibre-plant-albury-australia)
11. [SOPORCEL, PA3 Project, Lavol Mill, Portugal](http://patrickberry.name/index.php/resume/projects/64-soporcel-pa3-project-lavol-mill-portugal)
12. [Jaakko Pöyry Group Engineering tools and products](http://patrickberry.name/index.php/resume/projects/65-jaakko-poeyry-group-engineering-tools-and-products)
13. [UPM Kymmene, Local Services, Chapelle Darblay](http://patrickberry.name/index.php/resume/projects/66-upm-kymmene-local-services-chapelle-darblay)
14. [Cartiere Burgo, BURGOVZ9 Project, Verzuolo Paper Mill, Italy](http://patrickberry.name/index.php/resume/projects/67-cartiere-burgo-burgovz9-project-verzuolo-paper-mill-italy)
15. [SOPORCEL, SIP800 Project, Lavol Mill, Portugal.](http://patrickberry.name/index.php/resume/projects/68-soporcel-sip800-project-lavol-mill-portugal)
16. [UPM Kymmene, Grande News Project, Chapelle Darblay, Grand Couronne Mill, France](http://patrickberry.name/index.php/resume/projects/69-upm-kymmene-grande-news-project-chapelle-darblay-grand-couronne-mill-france)
17. [Norske Skog, A1-265 PM1 Upgrade Project, Albury Mill](http://patrickberry.name/index.php/resume/projects/61-norske-skog-a1-265-pm1-upgrade-project-albury-mill)
18. [Norske Skog, Automation Project - Closeout, Albury Mill](http://patrickberry.name/index.php/resume/projects/62-norske-skog-automation-project-closeout-albury-mill)
19. [Norske Skog, Automation Project, Albury Mill](http://patrickberry.name/index.php/resume/projects/63-norske-skog-automation-project-albury-mill)
20. [Rouse Hill RWP Stage 2 Amplification](http://patrickberry.name/index.php/resume/projects/55-rouse-hill-rwp-stage-2-amplification)
21. [Liverpool STP Stage 5A](http://patrickberry.name/index.php/resume/projects/56-liverpool-stp-stage-5a)
22. [Liverpool STP Stage 5B and Liverpool to Ashfield Pipeline](http://patrickberry.name/index.php/resume/projects/57-liverpool-stp-stage-5b-and-liverpool-to-ashfield-pipeline)
23. [North Head STP Biosolids (Commissioning)](http://patrickberry.name/index.php/resume/projects/58-north-head-stp-biosolids-commissioning)
24. [Slave Load Shedding System](http://patrickberry.name/index.php/resume/projects/59-slave-load-shedding-system)
25. [Load Shedding System Upgrade](http://patrickberry.name/index.php/resume/projects/60-load-shedding-system-upgrade)
26. [Bundamba AWTP](http://patrickberry.name/index.php/resume/projects/48-bundamba-awtp)
27. [PI Pilot for Operational Data Management](http://patrickberry.name/index.php/resume/projects/49-pi-pilot-for-operational-data-management)
28. [Aqua Emergency Generators](http://patrickberry.name/index.php/resume/projects/50-aqua-emergency-generators)
29. [Kyneton Ozone Generators Upgrade](http://patrickberry.name/index.php/resume/projects/51-kyneton-ozone-generators-upgrade)
30. [Bayswater 2700 kW Motor Maintenance](http://patrickberry.name/index.php/resume/projects/52-bayswater-2700-kw-motor-maintenance)
31. [Avon Dam HV Switchyard Replacement](http://patrickberry.name/index.php/resume/projects/53-avon-dam-hv-switchyard-replacement)
32. [QGC Post Treatment Dosing](http://patrickberry.name/index.php/resume/projects/54-qgc-post-treatment-dosing)
33. [QGC Water Treatment](http://patrickberry.name/index.php/resume/projects/38-qgc-water-treatment)
34. [BassWater bid for the Victorian Desalination Plant Project](http://patrickberry.name/index.php/resume/projects/39-basswater-bid-for-the-victorian-desalination-plant-project)
35. [addWater bid for the Port Stanvac Desalination Plant](http://patrickberry.name/index.php/resume/projects/40-addwater-bid-for-the-port-stanvac-desalination-plant)
36. [Sydney Desalination Plant](http://patrickberry.name/index.php/resume/projects/41-sydney-desalination-plant)
37. [Maximo 7 CMMS implementation for Sydney Desalination Plant](http://patrickberry.name/index.php/resume/projects/42-maximo-7-cmms-implementation-for-sydney-desalination-plant)
38. [Sydney Desalination Plant – Drinking Water Pumping Station](http://patrickberry.name/index.php/resume/projects/43-sydney-desalination-plant-drinking-water-pumping-station)
39. [Rosehill AWTP](http://patrickberry.name/index.php/resume/projects/44-rosehill-awtp)
40. [Altona RWTP bid](http://patrickberry.name/index.php/resume/projects/45-altona-rwtp-bid)
41. [Wyuna PLC Upgrade](http://patrickberry.name/index.php/resume/projects/46-wyuna-plc-upgrade)
42. [Operational Data Management System Review](http://patrickberry.name/index.php/resume/projects/47-operational-data-management-system-review)
43. [Department of Defence Waste Collection Services](http://patrickberry.name/index.php/resume/projects/33-department-of-defence-waste-collection-services)
44. [Woodlawn Bioreactor SCADA System](http://patrickberry.name/index.php/resume/projects/34-woodlawn-bioreactor-scada-system)
45. [NSW Bulk Waste Tracking](http://patrickberry.name/index.php/resume/projects/35-nsw-bulk-waste-tracking)
46. [Barangaroo District Cooling Plant](http://patrickberry.name/index.php/resume/projects/36-barangaroo-district-cooling-plant)
47. [ERA Ranger BCP Power Island](http://patrickberry.name/index.php/resume/projects/37-era-ranger-bcp-power-island)
48. [Key Positions](http://patrickberry.name/index.php/resume/sydney-manager)
49. [Norske Skog Albury Mill Wide Control Systems Upgrade](http://patrickberry.name/index.php/resume/projects/14-norske-skog-albury-mill-wide-control-systems-upgrade)
50. [Port Hawksbury PM2](http://patrickberry.name/index.php/resume/projects/4-port-hawksbury-pm2)

# Experience

* Project Management
* Water Treatment
* Waste
* Pulp and Paper
* Industrial Automation
* Power
* Software Development

# Skills

* Functional Specifications

# Qualifications and Certifications

### **Qualifications**

#### **Graduate Certificate of Professional Computing**

University of Southern Queensland

2002 - 2003

#### **Graduate Diploma of Management (Technology Management)**

Deakin University / APESMA

1992 - 2000

#### **BE (Hon.) Electrical and Computer Systems Engineering**

Monash University

1988 - 1991

### **Certifications**

Chartered Professional Engineer ([CPEng](https://www.engineersaustralia.org.au/professional-development/chartered-status))

Registered Professional Engineer Queensland ([RPEQ](https://www.bpeq.qld.gov.au/imis15/BPEQ))

National Professional Engineers Register ([NPER](http://www.engineersaustralia.org.au/nerb/registers))

### **Affiliations**

[Engineers Australia](https://www.engineersaustralia.org.au/)

[Australian Water Association](http://www.awa.asn.au/)

# Training

### **Current Studies**

[**Data Science Specialization**](https://www.coursera.org/specialization/jhudatascience/1)

John Hopkins University / [Coursera](https://www.coursera.org/)

### **Complete Training**

|  |  |  |  |
| --- | --- | --- | --- |
| R Programming | John Hopkins University / Coursera | 2015 | Online |
| [The Data Scientist's Toolbox](https://www.coursera.org/account/accomplishments/certificate/DFXGRZSWGX) | John Hopkins University / Coursera | 2015 | Online |
| Preparing Scopes of Work | Contract Control International | 2013 | Sydney NSW |
| Energy Management (PEC594) | Murdoch University | 2012 | External |
| Veolia Leadership Fundamentals Program | Veolia Water Australia | 2011 | Sydney NSW |
| Introduction to Reliability Centred Maintenance II | Asset Partnership | 2011 | Sydney NSW |
| Switchgear & Circuit Breakers Operation and Safety | Marcusevans | 2010 | Melbourne VIC |
| Safe Working Practices Relating to High Voltage Operating | Energy Australia | 2009 | Sydney NSW |
| Electrical Engineering Practice for Building, Industry & Utilities  Module 1 - Power System Design - Planning Stage | EEA / Ballengearry Consulting | 2008 | Sydney NSW |
| Electrical Engineering Practice for Building, Industry & Utilities  Module 2 - Power System Design Principles | EEA / Ballengearry Consulting | 2008 | Sydney NSW |
| Project Management | Serck Controls | 2007 | Newcastle NSW |
| SCX Engineering | Serck Controls | 2006 | Sydney NSW |
| Metso DNA Design and Programming | Metso Automation | 2004 | Albury NSW |
| Experion PKS  Applications, Advanced | Honeywell | 2003 | Varkus, Finland |
| Experion PKS  HMIWeb Display Builder | Honeywell | 2003 | Varkus, Finland |
| PROFIBUS Interfaces Honeywell | Honeywell | 2003 | Varkus, Finland |
| Advanced Software Testing | Merito Forum | 2002 | Helsinki, Finland |
| 66209 Web Publishing | USQ (University of Southern Queensland) | 2001 | External |
| 66207 Introduction to Software Engineering | USQ (University of Southern Queensland) | 2001 | External |
| 66121 Advanced Procedural Programming | USQ (University of Southern Queensland) | 2001 | External |
| Java Programming Language I | Sun Microsystems | 2000 | Helsinki, Finland |
| Damatic XD Design and Programming | Valmet | 1995 | Tampere, Finalnd |

# About

This is the personal website of Patrick Berry.

Father of three school aged children and step father to one independent young adult.

l am a Professional Engineer with over 20 years of experience across a number of industries.

l currently live, in Sydney Australia but have previously lived permanently in Melbourne (Australia), Helsinki (Finland), Durban (Republic of South Africa) and Albury (Australia).

During my career l have had short term work assignments (several months) in the following locations,

* Portugal
* France (Rouen)
* Canada (Port Hastings, Nova Scotia)

The purpose of this website is to

* Become more familiar with the technologies and tools used in content management systems
* Publish my CV
* Share some thoughts on engineering, software and other random subjects

# Tasks

### **Personal Website Design Examples**

* <http://www.devonstank.com/>
* <http://www.pascalvangemert.nl/#/profile>
* <http://www.callieschweitzer.com/>
* <http://benjaminwfelix.com/>