

Training Services

PowerLogic offer the following training services:

- Power quality – 3 day course;
- Electric shock investigations and rectify faults – 1 day course;
- Advanced electric shock investigations – 1 day course;
- Basic Power Systems – ½ day course;
- Basic Power Systems/Power Quality – 1½ day course;
- Electrical safety training for plumbers – 1 day course;
- Lightning awareness – 1.5 hrs;
- Fault loop impedance – 1.5 hrs.

Consulting Services

PowerLogic offer the following consulting services:

- Electric shock investigations (people and/or livestock);
- Power quality problems and solutions;
- Swimming pool electrical safety;
- Lightning risk evaluation & protection;
- Policy and procedural development;
- TV/Radio interference from powerlines;
- Electrical safety inspections;
- Instrumentation issues;
- Energy/demand management and cost reduction.

Please don't hesitate to contact us if you need help in any of these areas.

To arrange a training course contact:

PowerLogic electrical consulting & training

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PowerLogic electrical consulting & training

Is a trading name of:

Electrical Consulting and Training Pty Ltd

ABN: 38 116 092 365

PowerLogic

electrical consulting & training

Basic Power Systems/Power Quality



Course Objective

This course seeks to increase the knowledge of non-technical personnel on the how and what of power systems/networks, and power quality.

This course has been specifically put together for:

- Claims management staff;
- Energy ombudsman staff;
- Call centre staff;
- Other non-technical staff.

Client Requirements

This course can:

- be tailored to meet your requirements;
- include a field trip in a mini-bus to increase the learning experience and familiarity with networks;
- a hands-on analysis of logger graphs;
- include a written assessment.

Additional time will be needed for the above extras.

Participants will receive:

- A copy of the course slides;
- Other relevant information;
- A certificate of attendance.

How Does the Training Occur?

We come to your location to save your staff's valuable time.

A class to a maximum of approximately 10 people is preferred.

A small training room is required with whiteboard, data projector (if available) and projector screen.

Morning tea, afternoon tea and lunch are to be provided to ensure the training schedule is met.

The Agenda

Day One

- 8.30am Introduction and welcome to the Workshop.
- 8.35am Electricity basics
- 9.05am The Electricity Grid – how the grid works
- 9.35am The Distributor's Risks
- 10.00am Morning tea
- 10.15am Voltage quality and standards
- 11.15am Familiarisation with distribution networks
- 12.30pm Lunch
- 1.00pm Familiarisation with distribution networks continued
- 2.00pm Protecting Equipment
- 3.00pm Afternoon tea
- 3.15pm PQ Monitors and Graphs Analysis
- 4.15pm Legal Issues – includes liability for poor power quality and reliability
- 5.00pm End of Day 1

Day Two

- 8.30am Transients – lightning and switching
- 9.15pm Electric motors
- 10.00am Morning tea
- 10.15am Electric shock incidents
- 10.45am TV and radio interference
- 11.15am Reliability issues
- 11.30pm Discussion session – questions and answers, cases, etc.
- 12.30pm Lunch
- 1.00pm End of Workshop

Your Instructor – Chris Halliday

Chris Halliday had over thirty years in the electrical distribution industry before establishing his own consulting business in October 2005.



Chris has been working for various clients including network distribution companies, low and high voltage electricity users and shire councils. His consulting and training services are primarily focused on issues associated with power quality and shocks investigation, particularly for distribution companies.

He has spoken at numerous conferences on shock investigations, power quality, voltage management and network monitoring. These conferences have included the National and NSW chapter Electric Energy Society of Australia conferences, Energy 21C, the 13th IEEE International Conference on Harmonics and Quality of Power (ICHQP) and NSW Energy Industry Field Days.

Chris was previously the Power Quality Manager at Country Energy having established their power quality department from the ground up. He developed procedures and training for power quality and shocks investigations at Country Energy and is still their preferred trainer for these issues.