

ELECTRIC SHOCK INVESTIGATION TRAINING COURSE



Online Self-Paced: \$2,999 (GST inc)
Group Discounts Apply
AT YOUR SITE or VIA WEBINAR
by quotation



WHO SHOULD PARTICIPATE

Electrical engineers, safety regulator incident investigators, electrical fitter mechanics, emergency service fitters, district mechanics, on call electricians, apprentices, installation inspectors, power line workers, power quality technicians.

KEY BENEFITS

- Staff can investigate with confidence
- Reduce risk of further incidents
- Reduce risk of litigation

ABOUT THE COURSE:

This course trains participants so they can effectively assist or take the lead role in an electric shock incident investigation. It is a must for any electrician or electrical engineer that may be required to investigate an electric shock incident.

Shocks incidents occur - staff need to be competent to ensure the incident is investigated professionally so appropriate solutions can be implemented to prevent a reoccurrence or worst-case scenario - an electrocution. Many staff don't know how to go about an investigation or have the technical knowledge to correctly identify the problem and potential solutions.

Litigation is rampant and so businesses need to be positioned to minimise the impact of an incident and mount a defence against possible claims or prosecution. This course will help to minimise the fallout of an incident and also give staff additional skills and knowledge to assist in the prevention of incidents.

COURSE CONTENT

The course involves 18 theory modules with an assessment to be completed at the end of each module, as well as a practical session each day after lunch where electric shock incidents are investigated. The online version of the course has practical videos similar to the in-class training to increase the learning and competence. There is also an optional 1 day course on Electrical Incident Report Writing.

Each module has written notes that should be retained as a valuable reference tool for the future.

The training modules are:

- Legal Issues for Electrical Incident Investigations
- Causes, Effects and Prevention of Electrical Incidents
- Effects of Current on Human Beings
- Effects of Current on Livestock
- Introduction to Lightning
- Introduction to Electric Arcs
- Earthing Systems Operation
- Fault Loop Impedance
- MEN Polarity, Neutral Integrity and Phase Rotation Testing
- Test Instrument Usage
- Residual Current Devices
- Types of Electric Shock Incidents
- Forensic Incident Investigation -
 - » Preplanning » First response
 - » Collecting the Evidence » Analysis and Interpretation
 - » Report Writing » Finalisation

OUR CLIENTS

“PowerLogic’s Shock Investigation Certificate Course is the best course I have ever done.”

Thomas Rigby, Contracts Compliance/Electrical Engineering Manager - BMC, Poitrel Mine.

“A real ‘eye-opener’ of what can go wrong in the electrical industry, what can be done when that happens, and what can be done to minimise it occurring. Every electrical tradesperson and engineer should do this course.”

Andrew Kennedy, Senior Engineer - Addelec

Our clients include:

- Mining companies such as Glencore, BHP Billiton, Rio Tinto and MMG;
- Safety regulators such as Tasmanian Department of Justice, Access Canberra, EnergySafe Victoria, QLD Department of Natural Resources, QLD Electrical Safety Office and NSW Industry and Investment;
- Network businesses such as Essential Energy, Endeavour Energy, Ausgrid, Ausnet Services, Western Power and Evoenergy
- Electrical inspectors, electrical businesses, etc. too numerous to mention.

YOUR INSTRUCTORS

PowerLogic’s consulting and training services are primarily focused on issues associated with electrical safety and electric shock investigations. PowerLogic has trained thousands in electrical safety!



Chris Halliday

Chris had over thirty years in the electrical distribution industry before establishing his own consulting business in October 2005. He was previously the Power Quality Manager at Country Energy and has qualifications in electrical engineering, safety, management, training and assessment and is a licenced electrician in NSW.

He has spoken at numerous conferences and published many articles and papers on a range of topics including electric shock investigations, power quality, voltage management and network monitoring. These conferences and publications have included the Mines Electrical Safety Association conferences, National and NSW chapter of the Electric Energy Society of Australia conferences, Energy 21C, the 13th IEEE International Conference on Harmonics and Quality of Power (ICHQP), NSW Energy Industry Field Days, Electrical Connection Magazine, Industrial Electrix, Transmission and Distribution, Institute of Electrical Inspectors Magazine and Pace - Process and Control Engineering.

Daniel Halliday

Daniel brings a wealth of practical experience to PowerLogic, having been doing electrical contracting work, power quality investigations, energy management, comms cabling and non-destructive electrical testing, including thermal imaging, for the last 17 years for domestic, commercial and industrial clients.

Daniel is keen to help prevent electrical incidents through PowerLogic’s training courses and seminars.