



fireforensics
SOLVING THE PUZZLE OF FIRE

Renewable Energy Capability Statement

We are leading experts in fire and explosion investigation in Australia and abroad, and our personnel have offered clients thorough and impartial fire investigation services for over 40 years.

As renewable energy sources become a greater part of the power supply system, the number and frequency of fire and explosion incidents involving these is likely to increase.

We can provide incident investigation expertise in the following areas:

- **Solar PV generation and transmission**

From single panel camping set ups and small domestic rooftop installations to multi-hectare solar farms with grid connections, we have investigated numerous incidents involving this technology.

- **Rechargeable batteries**

From small lithium ion packs in phones and laptops, through e-bikes and domestic UPS systems to electric vehicles and large building or community storage systems, we bring an understanding of battery technology and failure mechanisms.

- **Heat pumps**

Intended to be powered by renewable electricity, air source and ground source heat pumps have similar failure modes to air conditioning and refrigeration systems. We have extensive experience of investigating fires in heat exchange equipment of many types.

- **Hydrogen and biofuels**

With our strong scientific knowledge base and understanding of the existing fire and explosion behaviour of ignitable gases and liquids, we are well equipped to deal with the emergence of novel fuels for internal combustion engines as they reach the market.

OUR ISO CERTIFICATIONS

In February 2022 we were certified as complying with two international standards, ISO 9001 (Quality Management System) and ISO 27001 (Information Security Management). These certifications give our clients confidence in the quality of our work whilst protecting their data by adhering to these internationally recognised standards.



ISO 9001 QUALITY MANAGEMENT SYSTEM

Being certified with ISO 9001 means we have taken steps to improve our operations and optimise the way we move into the future by having an internationally recognised quality management system and is found in only highly efficient organisations that make a commitment to continual improvement. We are excited to be moving into the future in a more efficient, professional manner by serving our clients with a product that will contribute to increase in its quality.

ISO 27001 INFORMATION SECURITY MANAGEMENT

Achieving the ISO 27001 means we have now been signed off by an independent authority to a high standard of data protection to assure the integrity of your data when you do business with us. We now have a certified information security management system and processes in place so we can be more protective of your data.

Our services are globally renowned, and we have investigated incidents and given expert evidence in numerous locations throughout Australasia, South East Asia, Europe and Africa.

Please contact us at office@fireforensics.com.au or go to www.fireforensics.com.au for more information on our services.

