



ESRG
ENERGY STORAGE
RESPONSE GROUP

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Who is Energy Storage Response Group (ESRG)?

ESRG is the first and only full-service emergency management, fire investigation and hazardous material handling company focused solely on energy storage. ESRG brings nearly 60 years of combined experience in fire-fighting, training, fire and failure investigation, risk assessment, hazardous materials and energy storage safety and testing. ESRG is uniquely qualified to help you prepare for, prevent and manage the unthinkable incidents we all hope to avoid.

What services does ESRG provide?

ESRG provides a number of services related to energy storage safety, deployment, management, and disposal. All three co-founders are involved in fire code and UL standard development are well versed in upcoming NFPA and IFC requirements including: risk and hazard assessment, training, disposal planning, subject matter expertise, and document management. In addition, ESRG provides training services for local first responders and performs site inspections and reviews for safety beyond code requirements, as well as failure and fire investigations should incidents occur.

ESRG and code compliance

Future fire code requirements, from both NFPA 855 or the International Fire Code, shall require a number of provisions which are not currently industry norms or which greatly exceed the extent of current practice from many ESS operators. ESRG provides services which shall simplify the compliance process for many developers, including smaller entities or those with a large number of smaller, distributed systems. By providing direct delivery training services from experience technicians and fire fighters and managing documentation of those services, ESRG provides high tech solutions to one of the most complicated processes of the code. Further, ESRG supports additional construction and permitting documentation requirements as well as site and maintenance logs via the same digital platform.

ESRG also develops the FMEAs required by fire code, competently going beyond the basic requirements and developing easily interpreted, visual documents which can be understood by the technical and lay stakeholder alike; these assessments may even be used for SOP development.

ESRG's core mission comes to light when the unthinkable occurs. Available 24/7, ESRG's experts satisfy the requirement for a continually available subject matter expert (SME) who may advise first responders on the proper precautions for incident management. Ready to go at a moment's notice, ESRG can be en route to an emergency site in minutes, ready to secure the scene and begin the investigation as quickly as possible. This is crucial to maintaining continuity of operations when time is money. In some locations, ESRG may be on site within 2-3 hours, satisfying even the most stringent local code requirements.

And when the emergency is over, liability remains. ESRG will work with hazardous materials handlers and disposal partners to ensure the system is secured, removed, and safely transported for disposal in an environmentally responsible and compliant manner.

ESRG for your industry

Manufacturers

As experts in electrochemistry, design, and manufacturing, many system and component manufacturers lack expertise in code compliance, emergency response and battery fire dynamics. ESRG helps to bridge the gap from factory to safe, compliant deployment. ESRG works to understand your system uniquely and convey its traits to first responders, fire fighters and code officials. Beyond ESS, ESRG can assist with hazards related to manufacturing, repair, and storage of battery and energy storage devices as well.

Project developers and owners

Securing financing, reviewing proposals and selecting EPC services for state-of-the-art technology is tough. ESRG removes the burden of code compliance, mistrust, and safety assurance from the equation by interpreting code requirements, clarifying your responsibilities and protecting your liabilities. Available 24/7 as SMEs, ESRG can help you satisfy code requirements for emergency incident management.

Code officials and AHJs

As the built environment comes into the 21st century and becomes filled with complicated technologies, a growing burden is placed on code officials and Authorities Having Jurisdiction to understand increasingly complicated products. ESRG can help make sense of this new, distributed energy reality. With thorough code and fire experience, ESRG can help provide clarity to permitting decisions.

The fire service

Founded by current and former fire fighters, ESRG is committed first and foremost to supporting the fire service and first responders whose safety depends on informed guidance. Available via phone 24/7 and with the ability to be on most sites within a few hours, ESRG ensures that little is risked to save little and everyone goes home at the end of the day. With online and direct delivery training via our own experts and fire service training professionals Rescue Methods, ESRG leverages their years of experience with large scale battery fire testing and training to ensure your staff are prepared for the challenges posed by this technology. Whether via pre-incident planning or a 2:00am phone call, ESRG stands prepared to support our brothers and sisters in the fire service.

Insurance

Whether the cause of or merely fuel for a fire, ESRG's experts can help secure the scene and begin immediate investigation. With expertise in fire investigation, battery control systems, and battery fires via several years of testing experience, ESRG supports everything from informative internal investigations through to complex litigation with experienced expert witnesses and investigators with trial experience.

Disposal and hazmat

Out of site and out of mind for many new projects, the disposal of lithium ion batteries, especially those damaged or compromised by fire or other abuse condition, should not be deemed trivial. As most end of life plans consist of little more than a budgetary quote to haul undamaged batteries off, little mind is paid to the risks posed to urban or populated environments by unstable systems. ESRG's extensive testing experience has resulted in one of the most uniquely qualified organizations to manage and direct disposal of unstable batteries. Let ESRG help ensure your first incident is your only incident!

