

# Energy Storage System First Responder Safety Training

Battery-based energy storage is growing as a critical component to our electricity grid infrastructure. If you are serving areas where storage systems are currently or will be deployed in the future, Fluence is offering Fire Departments and other First Responders an instructor-led training on storage system safety and operations.

## COURSE DESCRIPTION

This course is designed to give first responders an understanding of how lithium ion battery-based energy storage systems operate, with detail on system design, types of failure modes, potential hazards, and more. The course is delivered by a qualified instructor in an in-person classroom or virtual setting, and is included in all Fluence projects. The course will cover the following topics:

1. Intro to Battery Energy Storage Systems (BESS)
2. Basics of A/C and D/C electrical properties
3. Site-specific overview
4. Various types of failure modes
5. Hazards associated with failure modes
6. Incident response
7. Course review and quiz

Fluence also offers an onsite orientation in addition to the course. A Fluence representative will lead a site walkthrough with the customer and first responders so they can connect the safety concepts from the classroom training to their particular energy storage system.

## DELIVERY METHOD

Instructor-led virtual or classroom training

## DURATION

Online / Classroom (2 hours)

Onsite Orientation (2 hours, optional)

## OUTCOMES

Upon successful completion of this course, you will be able to:

1. Identify potential system failures when responding to an incident
2. Assess the potentials hazards on site and how to mitigate safety issues
3. Follow standard operating procedures to safely conclude an event

## IDEAL STATION OR DEPARTMENT

1. Have a battery-based energy storage system in your region or in nearby cities
2. Eager to learn more about energy storage

## WANT TO LEARN MORE?

Email [servicetraining@fluenceenergy.com](mailto:servicetraining@fluenceenergy.com) for more information on training schedules, as well as our online customer training platform, Fluence Academy.

