

Frequently Asked Questions – Energy Storage Safety

What is Invenergy's experience in energy storage?

Invenergy has been developing energy storage facilities for over a decade, with a portfolio of twenty-one projects producing over 1,800 megawatt-hours. Of those projects, Arizona hosts nine operating projects and one in construction, totaling over 1,000 megawatt-hours of reliable energy storage.

How does energy storage benefit Arizona communities?

Energy storage facilities support millions of dollars in local economic investment through tax revenue, salaries for regional operations staff, additional funding to essential services, and an increase in economic activity for local communities. Invenergy has a proven track record in establishing and maintaining long-lasting, mutually beneficial partnerships with the communities in which our projects are located.

Where are storage facilities located?

Energy storage facilities are often sited near electrical substations or other clean energy projects, such as solar energy centers. It is more efficient to site battery energy storage facilities near existing substations or energy centers as it limits the need for expansive new infrastructure and lowers impact to the environment, the land, and the neighboring communities.

What safety measures does Invenergy establish at energy storage facilities?

Safety is our top priority, and we are committed to protecting the employees, communities, and environment in and around our project sites. With every project, we take careful measures to mitigate risk. We have specific protocols in place to manage and monitor the battery systems 24/7/365 and can respond immediately to any issue. We develop Emergency Response Plans (ERPs) and First Responder Guides/Manuals in collaboration with local fire departments and emergency response agencies before our projects begin commercial operation. We also hold training sessions for employees and local first responders to ensure everyone is prepared to manage any potential issue.

How does Invenergy monitor energy storage facilities?

The Invenergy Control Center (ICC) is a state-of-the-art control room dedicated to the safe and effective operation of clean energy projects. From our on-the-ground operators to the ICC at Chicago headquarters, Invenergy is committed to ensuring our systems operate safely. We are constantly monitoring battery temperatures, voltage, current, state of charge, and gas and smoke detectors. Local response services are notified if our on-site procedure deems it necessary.