

A-Core Container

Distributed energy storage cabinet on-site construction



Overview

What is distributed energy infrastructure?

Distributed Energy Infrastructure provides EPC services to customers intent on owning and operating renewable energy generation and battery energy storage assets in the United States. Our accomplished team brings a distinctive perspective to system layout, equipment selection, and optimization.

Are energy storage systems safe for commercial buildings?

For all of the technologies listed, as long as appropriate high voltage safety procedures are followed, energy storage systems can be a safe source of power in commercial buildings. For more information on specific technologies, please see the DOE/EPRI Electricity Storage Handbook available at:

What is energy storage?

Basics of Energy Storage Energy storage refers to resources which can serve as both electrical load by consuming power while charging and electrical generation by releasing power while discharging. Energy storage comes in a variety of forms, including mechanical (e.g., pumped hydro), thermal (e.g., ice/water), and electrochemical (e.g., batteries).

Is energy storage a viable option?

Assuming the initial analysis shows that energy storage is an economically viable option, the final decision to procure an ESS needs to be taken in the broader perspective of the business as a whole. This can include looking at issues of space, noise, and timing for system installation.

Who should consider adding energy storage to a commercial building?

This guide is intended for anyone investigating the addition of energy storage to a single or multiple commercial buildings. This could include building energy managers, facility managers, and property managers in a variety of

sectors.

Who should oversee energy storage projects?

A qualified professional engineer or firm should always be contracted to oversee any energy storage project. This report was prepared as an account of work sponsored by an agency of the United States Government.

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