

Can energy storage systems be deployed in Indonesia?

Tapping into the limited but existing opportunities for deploying energy storage systems (ESS) is vital for expanding their role in Indonesia's power sector. At present, the greatest potential for ESS deployment lies in smaller and/or isolated systems, as well as in industrial or large scale commercial solar rooftop PV with BESS.

Why is energy storage a valuable resource in today's energy system?

These technologies allow for the decoupling of energy supply and demand, in essence providing a valuable resource to system operators. There are many cases where energy storage deployment is competitive or near-competitive in today's energy system.

How can energy storage improve the economics of energy storage projects?

Enhancing the economics of energy storage projects can be achieved by adjusting electricity tariffs for ESS assets, providing incentives to installers, and clearly outlining the roles of energy storage in the power system to enable value-stacking.

How can energy storage support the global transition to clean electricity?

To support the global transition to clean electricity, funding for development of energy storage projects is required. Pumped hydro, batteries, hydrogen, and thermal storage are a few of the technologies currently in the spotlight.

Are energy storage deployments competitive or near-competitive?

There are many cases where energy storage deployment is competitive or near-competitive in today's energy system. However, regulatory and market conditions are frequently ill-equipped to compensate storage for the suite of services that it can provide.

Are energy storage systems a cost-competitive flexibility provider?

Electricity networks remain a critical enabler of system flexibility, and a range of policy and regulatory instruments are available to de-risk new network investments and promote more "system-friendly" deployment of VRE. Energy storage, particularly battery energy storage systems (BESS), are becoming a cost-competitive flexibility provider.



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