

Suggestions and opinions on the development of energy storage industry in the park

Does an industrial park need an energy control center?

The industrial park must have an energy control center. That center would be the connection between prosumers, energy storage facilities and the power supply grid outside the industrial park. The prosumers cannot produce enough energy due to the changeable meteorological conditions.

Who owns the equipment in energy transportation & storage?

The equipment in energy transportation and storage in general is owned by different companies from energy business. In most cases there are no specific self-consumption regulations, i.e., the amount of self-generated renewable electricity is not measured and is not subject to any financial contribution to the overall system costs.

Could business parks work with higher energy autonomy based on res?

Business parks could work with higher energy autonomy based on the local RES. Maes et al. (2011) concluded that attention must be paid to all heat-consuming companies, the possibility of waste heat exchange, the generation of heat from renewables, and its use.

What is energy storage & how does it work?

Energy storage is also taken into account. The electricity generated from RES has zero C-emission, as well as batteries (electricity storage equipment). The process of electrolysis produces hydrogen that is stored in tanks and used when heat is needed.

What are the requirements for energy distribution & storage?

The energy distribution and storage system must include the top technologies that exist in the time of IP transformation. The long-term storage of energy must include storage as chemical energy (hydrogen) and that must be required with law and regulations in the EIPs or PEIPs.

What is long-term storage of energy?

The long-term storage of energy must include storage as chemical energy (hydrogen) and that must be required with law and regulations in the EIPs or PEIPs. The experience of many authors gave an accent to symbiosis of production plants, energy generation plants, and wastewater treatment in creating EIP.



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