Energy vault concrete blocks Niue

A startup called Energy Vault is working on a unique storage method, and they must be on the right track, because they just received over $100 million in Series C funding last week. The method was inspired by pumped hydro, which has been around since the 1920s and uses surplus generating capacity to pump water up into a reservoir.

Energy Vault offers two types of product: long-term storage using concrete blocks and gravity energy, and more conventional products, short-term storage (apparently mainly battery-based) and a charge management software suite.

Energy Vault settled on its current design after evaluating several other options -- gravel in carts, water in tanks, concrete blocks hanging from cranes. The EVx is designed to overcome...

Stacking concrete blocks is a surprisingly efficient way to store energy. A startup called Energy Vault thinks it has a viable alternative to pumped-hydro: Instead of using water and dams, the startup uses concrete blocks and cranes.

A Swiss company, Energy Vault, is developing a system to store and release energy by stacking and unstacking concrete blocks massing around 35 tonnes each. The demonstration unit in Arbedo-Castione, Switzerland has a capacity of 18 megawatt hours and output power of 5 megawatts.

The answer may lie in towers of massive concrete blocks stacked hundreds of feet high that act like giant mechanical batteries, storing power in the form of gravitational potential energy. This new energy storage concept is being advanced by a Californian/Swiss startup company called Energy Vault as a solution to renewable energy"s ...

A startup called Energy Vault thinks it has a viable alternative to pumped-hydro: Instead of using water and dams, the startup uses concrete blocks and cranes. It has been operating in stealth mode until today (Aug. 18), when its existence will be announced at Kent Presents, an ideas festival in Connecticut.

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