

Kongres Container

500kw energy storage project



Overview

Could a 200 MW power plant be a GW?

“Projects at 200MW might be at the upper end of what we’d imagine, but you could get to GW of installed capacity with not many projects.” He believes that there will be demand from big utility and energy companies who are looking for new ways to meet their needs. “They know there’s a problem and they know they need solutions,” he says.

Could high-density hydro be the future of energy storage?

RheEnergise’s proprietary High-Density Hydro technology could be the future of energy storage, but before that it needs to be proven using a scale demonstrator. RheEnergise is a long-duration energy storage provider with a unique twist: it has developed a fluid that is two and a half times the density of water for use in a closed loop system.

How much concrete do you need for A 500KW reservoir?

“On a 500kW scheme like this, we’ve never supplied and placed 1,600m³ of concrete, which is about 3,000t,” MacDonald says. “There was also nearly 250t of reinforcement and 1,500m² of formwork.” This was particularly tricky when it came to pouring the sloped ground of the reservoir.

Could rheenergise be the future of energy storage?

RheEnergise’s proprietary technology could be the future of energy storage, but before that it needs to be proven using a scale demonstrator.

How much concrete do you need to build A 500KW building?

However, with the design for the demonstrator stipulating these thick concrete walls, D. A. MacDonald had to contend with a significant weight of materials. “On a 500kW scheme like this, we’ve never supplied and placed 1,600m³ of concrete, which is about 3,000t,” MacDonald says. “There was also nearly 250t of reinforcement and 1,500m² of formwork.”.

How many hydro projects has rheenergise done?

The firm has done around 60 hydro schemes ranging between 100kW to 3MW capacity. MacDonald says his attraction to RheEnergise's project was that it was challenging. "There's always a really difficult bit with hydro - I get a kick out of that." This one was also unique.

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