



Green gravity energy

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At Green Gravity, we develop, install and operate cutting edge gravitational energy ...

Green Gravity's energy storage solution harnesses the fundamental principles of ...

Learn about the mine site rehabilitation made possible by Green Gravity's ...

Mark is the Founder and Chief Executive Officer of Green Gravity. Mark has over 25 years of global experience in the mining, metals, manufacturing and logistics sectors. Having held executive level roles across operations and commercial functions at BHP, Mark has a proven track record of strategic and change leadership, alongside financial, commercial and stakeholder management.

Naz is a Senior Leader with over 25 years in the conventional, unconventional, upstream and downstream oil and gas, petrochemical, and coal mining sectors across Australia, USA and the UK. Naz is highly accomplished in leading multi-discipline and multi-cultural departments for Tier 1 Owner organisations (BHP, BP, QGC/BG and Origin Energy), operating across Production, Planning and Optimisation, Project Services, Integrated Operations, and CSG Exploration and Appraisal Programs.

Fionna has over 20 years of experience in the mining industry covering both corporate functions and the operating assets. Involved in many of the industry's high profile growth projects, her experience includes iron ore expansion projects, establishing integrated remote operating centers across multiple commodities, corporate strategy / technology strategy development and the design and execution of business planning processes.

Radically accelerating the world's renewable transition

Green Gravity's energy storage system moves heavy weights vertically in legacy mine shafts to capture and release the gravitational potential energy of the weights. By simply using proven mechanical parts and disused mine shafts, Green Gravity's energy storage technology is low-cost, long life and environmentally compelling.

Storing energy in this way uses no processed chemicals and has no performance degradation. Moving weights vertically allows for high Round Trip Efficiency and using legacy mine shafts allows reuse of existing structures, contributing to the circular economy and lowering costs.

Green Gravity's energy storage technology improves the economics of wind and solar power, leading to a faster and lower cost transition away from fossil fuels. Truly the next generation of ultra-green energy.



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Green Gravity's energy storage solution harnesses the fundamental principles of gravity and kinetic energy to store and dispatch energy by lifting and lowering heavy-weighted objects. Green Gravity's innovative technology was inspired by pumped hydro like Snowy 2.0.

Like pumped hydro, we use the gravitational potential energy of a mass moving between two heights. However, rather than water between two dams, Green Gravity requires much less space by using very dense materials. To overcome friction, a vertical height available from a mine shaft is used rather than an incline on the side of a hill.

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