

Macquarie Asset Management has closed its Macquarie European Infrastructure Debt Fund (MEID) with EUR1.2 billion (US\$1.4 billion) raised. An additional EUR2.3 billion (US\$2.67 billion) was ...

China has begun building a submerged data centre off the coast of Shanghai, aiming to reduce electricity consumption and environmental impact by using seawater for cooling and offshore ...

Malaysia will introduce a data centre framework in October aimed at streamlining policies and guiding the development of the sector, according to the country's trade and digital ministries.

Australian and New Zealand data centre giant CDC has enlisted advisers from Barrenjoey Capital Partners as it seeks to secure a major debt deal to support its rapid expansion plans, ...

Degradation modelling of specific hydrogen electrochemical components integrated into microgrid design enabling state of health changes of assets based on dynamic operation resulting from ...

Specialized backup power for key assets has provided a key value for microgrids, albeit not one that has seen historically widespread potential. The custom aspect of microgrid design ...

Through technical analyses, an energy system design is presented for comparing performance across different scenarios. In contrast to previous research, HµGs incorporating solar ...

By integrating power electronics, control theory, and stability analysis, this chapter provides a practical framework for understanding and improving microgrid operation, offering valuable ...

Off grid investment: New study reveals microgrid efficiency and cost benefits As power challenges impact Europe's AI data centre hotspots, adopting microgrid independent power can be a ...

APAC data centre platform Princeton Digital Group (PDG) has signed a definitive agreement with New York-based alternative investment firm Stonepeak for a US\$1.3 billion preferred equity ...

To achieve efficient management of internal resources in microgrids and flexibility and stability of energy supply, a photovoltaic storage charging integrated microgrid system and energy ...

The Impact on Sustainable Development Basic construction of microgrid: The project has initially established an enterprise microgrid system, laying a solid foundation for achieving zero carbon ...

Backed by the EU's Horizon 2020 programme and involving fifteen partners from across eight countries,



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Tigon set out to design and demonstrate a new kind of energy infrastructure: hybrid ...

Long-term urban microgrid design: Socio-spatial resilience to promote energy democracy = Langfristiges urbanes Microgrid-Design: Sozialräumliche Resilienz zur Förderung von ...

In a recent interview with The Tech Capital at Digital Garden 25, Padraig MacColgain, vice president and head of APAC at Colt DCS, shared insights into Japan's burgeoning data centre ...

xAI, an AI startup owned by Elon Musk, is reportedly in talks with financier Valor Equity Partners to secure up to US\$12 billion in funding for its expansion, according to the Wall Street Journal on ...

Optimal sizing of PV and BESS units is a critical aspect of microgrid design, directly impacting system reliability, economic performance, and environmental sustainability [7, 8]. Oversizing ...



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