



# Curaçao smarter grid solution

How will a battery energy storage system benefit Curaçao?

The implementation of a Battery Energy Storage System will allow Curaçao to collect energy from renewable sources such as wind and solar energy and store it using advanced battery storage technologies. This stored energy can be released to mitigate the intermittency of wind power and ensure grid stability.

When is navigating uncharted waters & grid interconnections in Curacao?

Michael Ginsberg will present Navigating uncharted waters: Grid interconnections in Curacao during the session dedicated to Island Power: Renewables for Diesel-Powered Utilities on Oct. 14, 2021, 8-10 a.m. MDT. This year's conference, Powering the New Energy World, includes six separate online sessions over three days.

Why is the feed-in tariff unsustainable in Curaçao?

In Curaçao, the feed-in tariff was generous but poorly designed and unsustainable due to the lack of investment in energy storage, distribution transformers and other infrastructure needed to support high penetrations of variable renewable energy. Know who manages renewable energy policy at the utility.

How much does electricity cost in Curaçao?

The average commercial and residential electricity rates in Curaçao are \$0.35 per kilowatt hour (kWh), according to the U.S. Department of Energy, far higher than the average \$0.12 per kWh Americans pay.

Why did the Curaçao utility refuse to give up centralized power generation?

Ginsberg said the Curaçao utility did not like giving up its centralized power generation business model, felt threatened by the rapid uptake of residential solar and was unprepared for the supply/demand mismatch from variable wind and solar.

Smarter Grid Solutions Enterprise DERMS Software Provider. Our whitepapers are created by our business leaders, consultants, and engineering experts to enable our customers and industry colleagues to gain vital insights and hear our opinions and experiences on key industry topics including Flexibility Markets and Distributed Energy Resource Management Systems.

Cirrus Flex is Smarter Grid Solutions advanced cloud-based Software as a Service (SaaS) product for DER owner operators with growing portfolios. Cirrus Flex enables customers to own, access and utilize their DER data. As an independent technology provider, Cirrus Flex complements customer operations and the wider partner ecosystem, including ...

About SGS. Smarter Grid Solutions (SGS) is a leading provider of distributed energy resource management system (DERMS) software with the company about to exceed 1.3GW of renewable generation, energy storage and flexible load under control through 2019.



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Experts join forces to enable smart grids to help tackle the ongoing energy crisis. The term "smart grid" has been bandied about for years. Frequently mentioned in connection with smart meters, it has been used so many times as a buzzword without any real content to back it up, that it has become almost worn out before a global and meaningful implementation could ...

Non-Wires Alternatives (NWA) are solutions for Distribution Utilities and DSOs to implement alternatives to grid asset upgrades based on managing customer developed and managed DER assets for load relief. Regulators increasingly require the deployment of NWA as part of utilities' economic integrated resource plans. Our Non-Wires Alternatives solutions use our Strata Grid ...

Yoana Cholteeva (YC): Could you tell me a bit more about the active network management contract Smarter Grid Solutions and Enzen have recently secured? Graham Ault (GA): Just to rewind back to what Smarter ...

Smarter Grid Solutions | 13,432 followers on LinkedIn. Providing a real-time DERMS platform to utilities across the world. | Smarter Grid Solutions is an enterprise energy software company with a unique end to end approach to Distributed Energy Resource Management Systems (DERMS) to deliver net zero energy systems, operating internationally from bases in the UK and US. Our ...

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Smarter Grid Solutions (SGS), the Glasgow-based energy software firm, has been hailed as one of Scotland's brightest stars in the fight against climate change by its long-term investors.

Smarter Grid Solutions is a UK headquartered energy management enterprise software company operating internationally from bases in the UK and USA. Our products are used to manage power grids and market participation in energy systems with high penetrations of distributed, clean and flexible energy assets.

Strata Grid is our DERMS solution for Distribution Utilities which provides monitoring, control, scheduling and price-following charging, enabling a range of different flexible connections to EV charging infrastructure



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operators. Utilizing a consistent approach with grid flexibility services for other DER keeps complexity across systems and costs in check while offering flexible ...

Smarter Grid Solutions (SGS) worked with the Distributed ReStart team to develop a DRZC functional design that will provide the monitoring and control required throughout the DRZ island Black Start process, utilising a wide range of expected DER types. The DRZC solution architecture developed by SGS would suit wide scale deployment.

Yoana Cholteeva (YC): Could you tell me a bit more about the active network management contract Smarter Grid Solutions and Enzen have recently secured? Graham Ault (GA): Just to rewind back to what Smarter Solutions does, we provide software that monitors and manages clean and distributed energy in power grids and new energy markets. As part of ...

UK Power Networks (Strata Grid Roll-Out) UK Power Networks operate the Distribution Network across the south east of the UK, including London. As part of their vision to be a world-leading DSO, they required a multi-use case DERMS, with ANM capability, to deliver a broad range of use cases across their business.

Our R& D laboratories design, develop, test and release highly flexible utility-grade software products with a wide range of functional and non-functional options, complete with an extensive integration environment developed from a decade of DER integration experience to create the very best solutions for grid and market optimization.

Our Cirrus Flex product-based VPP solution extends beyond the traditional VPP to enable fast-acting critical services (that require back-ups and fail safes) and locational network services from mixed DER asset fleets. Cirrus Flex allows DER of any size and type to be aggregated and can be scaled to incorporate millions of devices, meaning the mass residential DER assets which ...

Exciting News about the Future of Smarter Grid Solutions. Smarter Grid Solutions completed the sale of the company to Mitsubishi Electric Corporation (MELCO) and Mitsubishi Electric Power Products Incorporated (MEPPI) in August 2021.

Drew Smith is Executive, Business Development and Sales, North America at Smarter Grid Solutions. Drew has worked in all aspects of the renewable energy industry including finance, product, and business development. He is passionate about helping utilities, developers, and independent power producers add renewable energy to the energy mix. ...

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"Smarter Grid Solutions is a leading clean energy management software company and we are proud to have



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played our part in connecting more than 400MW of renewable energy assets to the grid. Not only are our solutions ...

We offer a range of supporting professional and managed services to help our customers to develop grid and market optimization strategies, develop business cases and implement value-adding DERMS solutions. Our teams of experts, and in-country partners, can support you at every stage of your project lifecycle.

UK-based Smarter Grid Solutions (SGS) has unveiled ANM Strata 2.0, the advanced version of its distributed energy resource management system (DERMS) software. SGS noted that its ANM Strata 2.0 was successfully deployed on pilot projects in the US, UK and Germany. Go deeper with GlobalData.

Smarter Grid Solutions chief technology officer and co-founder Bob Currie said: &quot;Active Network Management is a transformational technology and has repeatedly reduced grid integration costs by up to 90% for new renewable generator connections, increasing the capacity to accommodate wind and solar by 100-200% and avoiding grid upgrades that can exceed \$50m.

Contact us for free full report

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