

Solar Energy South Africa

Gridscale x South Sudan



Overview

What is Gridscale X?

Siemens has announced the launch of Gridscale X, paving the way towards the vision of autonomous grid management, accelerating digital transformation for grid operators at speed and scale. With Gridscale X, Siemens provides modular software to support utilities to tackle their most pressing challenges related to the energy transition.

Is there a national grid in South Sudan?

There is no national grid in South Sudan, only a series of isolated networks that serve three of the state capitals (Juba, Malakal and Wau) and Renk. The South Sudan Electricity Corporation (SSEC) has only 18.8 MW of installed capacity that is operational and it supplies these state capitals.

Why should you choose Gridscale X & Siemens Xcelerator?

This means that Gridscale X can meet and adapt to the evolving needs of the industry, complemented by Siemens Xcelerator's open partner ecosystem. Siemens Xcelerator is an open digital business platform to accelerate digital transformation and value creation.

Gridscale x South Sudan



Prepay meters for South Sudan , Smart Energy International

As part of African Development Bank supported project in South Sudan, 20,000 prepay meters will be supplied to new customers in the country's capital, Sectors. All news Customer Services & Management Cybersecurity. Tietoevry to offer Siemens' Gridscale X in Nordics. Dec 06, 2024.

Grid-Scale Battery Energy Storage Takes Centre Stage ...

Greater integration of digital technologies is ushering the era of flexibility into the mainstream London, 25th September 2024 - Grid-scale battery energy storage systems (BESS) have entered a period of accelerated growth. ...



[Gridscale X LV Management](#)

Mit Gridscale X LV Management erhalten Sie die vollständige Kontrolle über Ihr Niederspannungsnetz. Die interoperable SaaS unterstützt ihr Team mit einem intelligenten Co-Piloten, für eine schnellere Wiederherstellung der Versorgung, effizientere Digitalisierung und Verbesserung der Netzstabilität, dank einfacher Schritt-für-Schritt-Anleitungen.

Setting Up South Sudan's first Solar Microgrid

With support from Creating Hope in Conflict, a Humanitarian Grand Challenge, EarthSpark helped SunGate take a critical step towards addressing this challenge by launching South Sudan's first solar microgrid in September 2022 in Wanyjok. Now, with over nine months of successful operation, the SunGate grid is delivering reliable, affordable, 24/7 electricity to 131 ...



Grid-scale energy storage growth deemed 'essential' to Australia's ...

Of this, 600MW of solar PV capacity was added in New South Wales, Victoria, and South Australia, and 300MW of BESS capacity was added in New South Wales, Queensland, and South Australia. Although no generator exits are expected in the next financial year, large volumes of historical fossil fuel generators are scheduled to close in the next 5 years.

Siemens strengthens Gridscale X offering, enabling TSOs to ...

o Siemens to release two new Gridscale X software products at CIGRE Paris Session 2024 from 25-30 August, "Gridscale X Protection Data Manager" and "Gridscale X Dynamic Line Rating"
o Gridscale X software is part of Siemens Xcelerator, enabling customers to accelerate their digital transformation easier, faster, and at scale



US State Dept imposes visa restrictions on multiple people in South Sudan



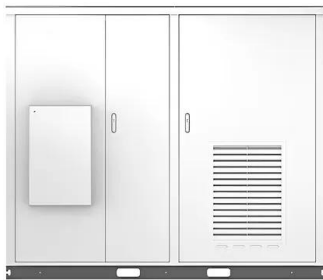
6 ????. The U.S. Department of State said on Friday that it is imposing visa restrictions on multiple individuals responsible for the ongoing conflict in South Sudan.

'World-first' grid-scale sodium-ion battery project in China launched

The demonstration project of 5MW/10MWh was officialised last month (14 July) in a definitive agreement between project partners Great Power, a battery technology company, Qingdao Beian Holdings and Noan Technology Co.



Solar



CATL unveils 'zero degradation' battery storage system, Tener

The company's latest containerised BESS product, Tener. Image: CATL. Lithium-ion battery manufacturer CATL has launched its latest grid-scale BESS product, with 6.25MWh per 20-foot container and zero degradation ...

High-resolution population estimates improve understanding ...

GRID3 has updated its high-resolution gridded population estimates which provides timely population data for the Government of South Sudan and other decision-makers. GRID3 South Sudan technical experts produced the estimates

by combining 2008 county level census data collected by the National Bureau of Statistics with field-collected displacement ...



Latest Ongoing Grid-scale/Utility Scale Energy Storage System ...

Search all the ongoing (work-in-progress) GUSESS projects, bids, RFPs, ICBs, tenders, government contracts, and awards in South Sudan with our comprehensive online database. Call +1(917) 993 7467 or connect with one of our experts to get full access to the most comprehensive and verified construction projects happening in your area.

Batteries will enable large-scale dispatchable renewable energy ...

Minister Mantashe said the eight projects will bring about R45 billion into South Africa's economy, and will use around 50% average local content during construction. Meanwhile domestic entities represent 51% of participation in the projects and about 41% black ownership. Nearly 4,000 jobs will be created during 18 months of construction and



Q& A: Siemens' Grid Software CEO on the Power of Gridscale X



4 ??? Gridscale X paves the way for autonomous grid management, empowering grid operators to solve their most pressing challenges. Gridscale X includes modular software that ...

Sri-Lanka's first grid-scale battery storage project

ADB said yesterday (25 November) that the US\$200 million loan will fund the Power System Strengthening and Renewable Energy Integration Project, which includes the deployment of the South Asian country's first grid-scale battery energy storage system (BESS).



[Project Information Document \(PID\)](#)

South Sudan faces one of the lowest energy access rates in Sub-Saharan Africa. It is estimated that only about 7 percent of the population has access to electricity, most of which is concentrated in the capital city, Juba, which has the country's only large-scale functional distribution network. While some cities used to be partially served

Power in Sudan: Challenges and opportunities

Table 2: Current hydropower plants in Sudan
 Source: Study of "Sustainable Energy Potential in Sudan". Small and micro-scale hydropower and run-of-river technologies also offer significant potential. Sudan accounts for approximately one-

third of the total potential sites for small and micro-scale hydropower generation in Sub-Saharan Africa with more than 780 ...



Q& A: CEO of Siemens Grid Software on revolutionising ...

Siemens Grid Software has launched a new product to tackle this problem. Gridscale X is a software solution offering autonomous grid management, helping utilities scale grid capacity quickly, enhance grid ...

Feasibility study of a standalone hybrid energy system to supply

This is the first research of its sort in the domain of hybrid energy systems for a typical South Sudan rural area to be presented as such the study also intends to address a research vacuum in electricity accessibility through hybrid energy systems in typical rural areas of South Sudan's Southern rural areas, as well as serve as a roadmap for hybrid energy systems ...



(PDF) Private Off-Grid Electricity Generation in Juba, South Sudan

South Sudan is the largest oil producer with a huge deposit of renewable energy resources (i.e. hydropower, wind, solar, geothermal, and

biomass sources) in the region. However, despite these potentials, South Sudan has the lowest electrical energy generation and per capita consumption in Sub-Saharan Africa [6]. The majority of the people live



Siemens stellt vor: Gridscale X(TM) als Wegbereiter für autonomes

Gridscale X Der Insights und Gridscale X Network Model Manager bauen auf dem umfangreichen Grid-Software-Portfolio auf und ermöglichen es Energieversorgern, Transparenz über ihr Netz zu gewinnen und ein zentrales Netzmodell zu erstellen. DER Insights bietet Versorgungsunternehmen einen besseren Einblick in die Vorgänge „Behind the Meter

Support Customized Product



Siemens drives digital transformation of Maltese grid

...

Siemens' Gridscale X software platform to be implemented at Enemalta, the leading energy services provider in Malta This marks a major step in Enemalta's digital transformation journey, shifting from reactive maintenance to predictive management

Q& A: CEO of Siemens Grid Software on revolutionising ...

Gridscale X is a software solution offering autonomous grid management, helping utilities

scale grid capacity quickly, enhance grid flexibility and manage the grid's modern challenges - mainly, the exponential growth of ...



New Mexico: large-scale batteries for overloaded lines approved

Feeder lines transport electricity from transmission to distribution-levels of the grid. Image: arbyreed / Flickr. Utility PNM has been given the green light for two battery energy storage system (BESS) projects in New Mexico which will support overloaded feeders at ...

Gridscale X LV Insights for Elvia, Norway

Gridscale X LV Insights has been pivotal, providing us the reliable, data-driven insights in the low voltage grid needed to accelerate our digital transformation. With increased flexibility and comprehensive oversight, we now manage our low voltage system much more efficiently, maximizing usable grid capacity and getting most value from our



Grid-Scale Battery Energy Storage Takes Centre Stage in the ...

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mainstream London, 25th September 2024 - Grid-scale battery energy storage systems (BESS) have entered a period of accelerated growth. A key piece of the puzzle in the energy transition, their deployment is crucial to providing the flexibility required to support higher levels of [...]

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