

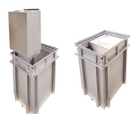
ALFEN ENERGY STORAGE FRENCH GUIANA



Where can Alfen's mobile storage system be implemented? Alfen's mobile storage system can be implemented absolutely everywhere. See how TheBattery delivers green energy in the Port of Rotterdam. TheBattery Connect is Alfen Connect's module used as an energy management system for Alfen's energy storage solution, TheBattery.



What are Alfen's energy storage solutions? Alfen's energy storage solutions are underpinned by two key products: TheBattery Elements and TheBattery Mobile. These products are tailor-made for different markets and applications but based on the same design principles to guarantee optimal performance, flexibility, modularity and longevity.



Does Alfen have a mobile energy storage system? Alfen supplied Vlot Logistics, a specialist in zero-emission construction logistics, with a mobile energy storage system combined with a 300kW fast charger. Shell and Alfen have launched a pilot to trial an on-site battery-powered system to support ultra-fast electric vehicle charging at Shell's Zaltbommel forecourt in the Netherlands.



What can Alfen do for You? Alfen combines its energy storage system and smart grid experience to equip fast charging stations with peak shaving capability. Business cases can be further improved by using the storage for energy trading when capacity is not being fully utilised for EV charging solutions. End-to-end solutions in the field of high and medium voltage grids.



Does Alfen have a Bess solution? Alfen's containerised BESS solution, TheBattery Elements. Image: PRNewsfoto/Alfen B.V. Alfen, a Netherlands-based provider of electric vehicle (EV) charging, smart grid and energy storage solutions has reported a 526% increase in half-year revenues for its storage segment.

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Does Alfen offer a smart charging station? Alfen offers a comprehensive assortment of electric charging stations for home, work and the public domain. The smart charging stations are available in a wide range of charging capacities and functionalities.



Energy storage systems Alfen offers an in-house developed and produced range of modular energy storage systems for applications such as load balancing, peak shaving, the French market positioning us well to benefit from growth in that market. In 2019, we benefitted from



One of Sweden's DNOs Ellevio Group is investing in four new battery storage projects totalling 70MW, supplied by Alfen, the latest in a series of large-scale projects. Energy-Storage.news" publisher Solar Media will host the eighth annual Energy Storage Summit EU in London, 22-23 February 2023. This year it is moving to a larger venue



Existing Alfen battery storage project at Alexia Wind Park, the Netherlands. Image: Alfen. Stock exchange-listed system integrator Alfen has been awarded the contract to deliver a 10MW / 10MWh energy storage system, which will provide frequency regulation services and voltage control support in its home country of the Netherlands.



Mobile battery energy storage systems offer an alternative to diesel generators for temporary off-grid power. Alex Smith of Moxion looks at some of the technology's many applications and scopes out its future market development. August 23, 2023. Alfen has reported a 526% year-on-year increase in half-year revenues for its battery energy

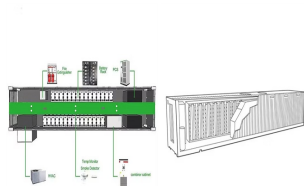


Alfen delivered its 1 MW battery energy storage system "TheBattery" to Engie's power generation plant in Drogenbos (Brussels). This is the first battery based storage system in Belgium to provide grid stability since the grid operator opened its network for battery systems in May this year.

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Alfen's vision is to realise a connected, smart and sustainable energy system for future generations. In order to achieve this objective, Alfen's mission is to drive the energy transition by developing, producing, integrating and connecting premium energy solutions that are innovative, reliable and smart.



Our sister site Current? recently reported that Alfen's energy storage business division saw its revenues in the first half of 2022 decline 18% from the same period of 2021. However, the company said it saw strong momentum in the sector and attributed the dip largely to obstacles such as long waits for permitting and grid connection approvals.



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Marco Roeleveld, CEO of Alfen, said: "The first quarter of 2023 was a remarkably strong quarter for our Energy storage systems and Smart grid solutions businesses. 2023 is really the breakthrough year for energy storage for Alfen: the market is expected to grow ~60% in MWh in Europe in utility & commercial storage (source: BNEF).



Dutch energy storage system and related technologies provider Alfen has confirmed its IPO and listing on the Amsterdam Euronext stock exchange, first reported in December 2017, will go ahead. An Alfen ???



Alfen is a Netherlands-based company active internationally in the energy storage and smart grid markets. Image: Alfen NV. Netherlands-based Alfen is deploying a two-hour-plus battery energy storage system (BESS) for Centrica Business Solutions in Belgium, the latter's first outside the UK.

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Alfen will provide its "TheBattery" BESS product

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Energy solutions integrator Alfen is building a 12MW battery energy storage system (BESS) with black start functionality for co-location with a wind farm in Finland. Netherlands-based Alfen is building the BESS, which it claims is Finland's third-largest, for electricity generation company EPV Energy's Teuva wind farm.



Power equipment supplier and system integrator Alfen is putting energy storage and EV chargers on a football stadium in its Dutch homeland, while the company is reportedly considering a stock market flotation.



Construction has begun on a 30MW battery energy storage system (BESS) in Finland, developed by Glennmont Partners, local IPP Ilmatar, and deployed by ESS firm Alfen. Energy storage is a critical enabler to meeting this goal, and Alfen's battery storage technology such as The Battery Elements continues to evolve to better stabilize



Alfen and Sermatec are deploying BESS projects in Sweden and Bulgaria, while terralyr has raised US\$83 million for its pipeline. System integrator Alfen will provide Ellevio, a distribution network operator (DNO) in Sweden, with two battery energy storage system (BESS) orders totalling 80MW/80MWh spread across two projects. This article



Of related interest has been the deployment of stationary energy storage battery units as "buffers" to the use of ultrafast-charger units for electric vehicles. A few weeks ago, Dutch ESS provider Alfen teamed up with fuel vendor Shell to deploy a 350kWh battery storage system at a forecourt in Zaltbommel, the Netherlands.



Contractors involved. Alfen is the technology provider for the project. Alfen is the system integrator. Additional information. Vattenfall has selected Alfen to deliver a battery energy storage system of 20 MWh in the university town Uppsala in Sweden. Alfen's scope consists of the delivery

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of an energy storage system of 20 MWh (5 MW) based on BMW car batteries, ???

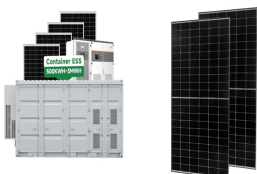
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Nurmon Aurinko uses Alfen's energy storage system in Finland Alfen supplied a 1MW (1MWh) energy storage solution to Nurmon Aurinko, a large-scale energy project and Finland's first large-scale solar park. Greener and Alfen supply festival season with clean battery energy Greener, a green energy supplier for events and off-grid projects, bought



Alfen is both the core and the linking pin of the electricity grid, providing transformer stations, energy storage systems, charging stations for electric vehicles as well as a range of other products and services.



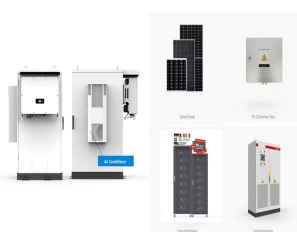
This project, installed in the municipality of Mana, is currently the world's first multi-megawatt hydrogen power plant as well as the world's largest project for the storage of intermittent renewable energies via hydrogen (128 MW h of stored ???)



The Centrale Electrique de l'Ouest Guyanais (CEOG) project under construction in French Guiana will be the world's biggest hydrogen-based renewable energy storage facility, upon completion. Also called the Western ???



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The Alfen mega energy storage system helps to smooth peaks and troughs in power supply and better match the demand for energy. In this way we are creating more flexibility and stability in the system to facilitate renewable energy. 3 megawatt energy storage system at ???

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114KWh ESS

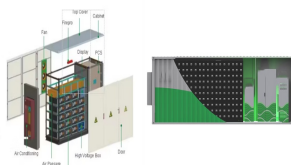


114KWh ESS

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With transformer substations, energy storage systems, charging stations for electric vehicles and a large portfolio of other products, Alfen takes a central role in the energy transition. Alfen has been listed on the stock exchange since 2018 and is growing in Europe.



The US Department of Energy's "Energy Storage Project Database", lists just five operational energy storage projects online in the Czech Republic so far. Four of these are pumped hydro plants and the other is a vanadium redox flow battery system installed in 2015, installed at a science and technology park in South Bohemia, with just 30kW



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