

# ALFEN BATTERY UNITED STATES

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Does Alfen have a mobile battery storage solution? For those projects, Alfen is deploying its containerised BESS solution, TheBattery Elements, but the company also recently launched a new iteration of its mobile battery storage product called TheBatteryMobile, putting 720kWh of storage capacity into a 10ft container on wheels.



What is the Alfen 4th generation battery energy storage system? It is Alfen's 4th generation mobile battery energy storage system which is even more versatile and flexible than the previous generations and can provide up to 70% more energy within the same form factor. It truly empowers your energy transition. Up to 720kWh of energy and 270kW of power packed in just a 10 feet ISO standard container.



What is Alfen's energy storage system? Alfen's TheBattery Elements energy storage systems are tailor-made for different markets and applications based on the same design principles to guarantee performance, flexibility, modularity and longevity.



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.



What does semperpower do for Alfen? SemperPower will develop, finance and operate the large-scale energy storage system, and Alfen will manage design, supply, civil works, installation, tests and long-term maintenance. The system is expected to be operational in the fourth quarter of 2023.

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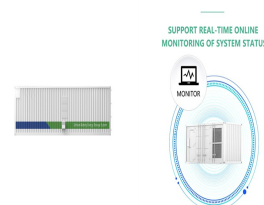
How do I embed my RTU in Alfen mobile X? You can use your own embedded RTU and Modbus, the HMI touchscreen of the container, or Alfen's backoffice called TheBattery Connect. Choose whatever works best for you. To embed your RTU, TheBattery Mobile X has a dedicated reserved area where your hardware can be installed.



As early as 2008, Alfen began providing solutions for power-grid automation (Alfen Connect) by establishing a digital link between its charging equipment for electric vehicles and the internet. Since then, the possibilities significantly expanded, and transformer substations and energy storage systems now can also be managed remotely.



Alfen biedt hierbij een end-to-end oplossing inclusief lokale netinpassing en netwerkindegratie. Netwerkindegratie levert Alfen bijna altijd via TheBattery Connect oplossing en middels inpassing met het lokale managementsysteem. ???



Basierend auf mehr als 5 Jahren Erfahrung und Produktreife ist TheBattery Mobile X die neueste und beste Lösung von Alfen. Sie stellt zuverlässig die Energie und Leistung bereit, die Sie für Veranstaltungen, Baustellen, EV-Ladezentren und viele andere Standorte benötigen. Es handelt sich um das mobile Batterie-Energiespeichersystem der 4.



As it has been a whole decade since we began integrating energy storage solutions, we thought we would take the opportunity to champion our success by sharing with you 10 ways in which Alfen's TheBattery is currently providing ???



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TheBattery Elements.

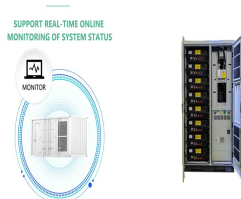
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TheBattery ?quilibre l'offre et la demande d'nergie et ?vite des investissements majeurs dans les infrastructures du r?seau ?lectrique. L'nergie autoproduite peut ?tre vendue aux moments les plus rentables et des r?seaux ?lectriques autonomes bas?s sur de l'nergie solaire ou ?olienne peuvent ?tre mis en place.



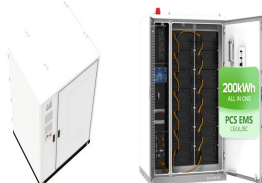
Alfen's TheBattery Mobile is an innovative and reliable multi-functional mobile energy storage system. Based on more than 5 years of experience and product maturation, TheBattery Mobile X is Alfen's latest and best solution capable of ???



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.



marks the 10th year since Alfen's first foray into battery storage solutions. What better way to mark the first decade than by getting those responsible for the technical and commercial development and delivery of the product to tell us a ???



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.



Almere, The Netherlands 22 February 2023 ??? Alfen, an energy solutions specialist at the heart of Europe's energy transition to limit climate change, and SemperPower, a leading player in the development of independent large-scale energy storage projects in The Netherlands,

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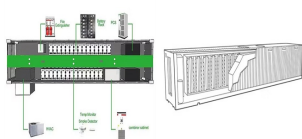
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are excited to launch Project Pollux - the largest battery energy

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The system can be used for every conceivable application such as grid services or energy trading. Alfen offers an end-to-end solution including local grid embedding and network integration. Alfen almost always provides network integration via TheBattery Connect solution and through embedding in the local management system.



Alfen is a Netherlands-based company active internationally in the energy storage and smart grid markets. Image: Alfen NV. Energy storage and smart grid solutions firm Alfen is deploying a 30MW/68MWh battery storage project in the Netherlands for commissioning later this year, the largest under construction in the country.



With the purchase of the Alfen batteries, Bredenoord is expanding its existing energy storage fleet in order to meet its customers' growing demand to reduce emissions. Alfen's TheBattery ???



TheBattery Connect is Alfen Connect's module used as an energy management system for Alfen's energy storage solution, TheBattery. Clients are given access to TheBattery, wireless and via their own IT systems, for all storage ???



Die Netzwerkintegration wird fast immer von Alfen über die Lösung TheBattery Connect und durch die Integration mit dem lokalen Managementsystem gewährleistet. Downloads. Dokumententyp:download Datasheet - TheBattery Elements. TheBattery Elements ist ein bewährtes Konzept und qualitativ hochwertig.



Alfen's ongoing installation of battery storage technologies with Ellevio, one of Sweden's largest electricity network companies, is playing a crucial role in balancing the country's grid. In its latest agreement, Alfen will supply Ellevio with 2 storage systems for the battery parks in Mora and

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S?derala that will have a combined installed capacity of 80 MW/80MWh.

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Image: Alfen. Netherlands-based BESS integrator Alfen is providing a 20MWh unit for a wind farm in its home market, in the region of Ooltgensplaat. Alfen has signed an agreement with the Windpark de Plaet plant to install the battery energy storage system (BESS), which the announcement implied will have a power rating of 10MW, i.e. a 2-hour system.



Alfen, an energy solutions specialist at the heart of Europe's energy transition to limit climate change, and Centrica Business Solutions, a global leader in decentralized end-to-end energy solutions, are working together to build Centrica's first battery storage development project in mainland Europe



TheBattery Connect is de module van Alfen Connect die wordt gebruikt als energiemanagementsysteem voor de energieopslagoplossing van Alfen, TheBattery. Klanten krijgen toegang tot TheBattery, draadloos en via hun eigen IT-systemen, voor alle opslagtoepassingen: handel, frequentiecontrole, peak shaving en autonome netten.



Alfen is a Netherlands-based company active internationally in the energy storage and smart grid markets. Image: Alfen NV. Energy storage and smart grid solutions firm Alfen is deploying a 30MW/68MWh battery storage storage ???



Alfen's TheBattery Elements Energy Storage System balances energy supply and demand to offer grid congestion solutions while investment in Dutch grid infrastructure is realized; The 30MW/68MWh battery energy storage system will accelerate the integration of renewable energy into the Dutch electricity market; Located in Vlissingen, the battery energy ???



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Alfen netted total revenues of ???223.9 million (US\$243.07 million) for H1 2023, which was a 9% increase year-on-year from H1 2022. While EV charging revenues declined 36%, and Smart Grid revenues rose by 20%, ???



De visie van Alfen is een verbonden, slim en duurzaam energiesysteem voor toekomstige generaties. Om dit te bereiken, is het de missie van Alfen om de energietransitie aan te zetten door hoogwaardige energieoplossingen te ontwikkelen, produceren, integreren en te verbinden die innovatief, betrouwbaar en slim zijn.



Drawing on over five years of expertise in mobile battery storage backed by more than 85 years of innovation in the electricity grid, Alfen has developed a solution that meets the growing demand for temporary clean power supply across a ???



TheBattery Connect is Alfen Connect's module used as an energy management system for Alfen's energy storage solution, TheBattery. Clients are given access to TheBattery, wireless and via their own IT systems, for all storage applications: trade, frequency control, peak shaving and autonomous grids.



Alfen, spécialiste des solutions innovantes en matière d'énergie dans toute l'Europe, lance aujourd'hui sa quatrième génération de systèmes de stockage d'énergie sur batterie mobile : TheBattery Mobile X(R). Cette solution offre jusqu'à 70 % d'énergie supplémentaire (jusqu'à 720 kWh) et des fonctionnalités de sécurité améliorées dans un seul conteneur de 3 mètres

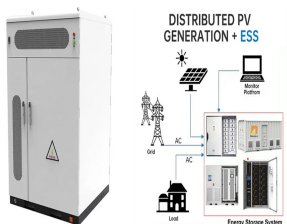
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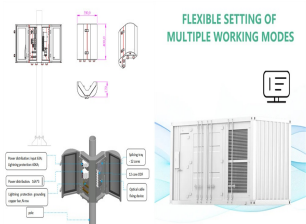
The batteries Alfen will use are going to be new, although in a range of projects around the world, "second-life" EV batteries are being used in grid-scale and commercial battery energy storage projects, including the recent repurposing of batteries from Renault's Zoe model EVs for a megawatt-scale storage project for Umicore in Belgium



The Battery equilibra la oferta y la demanda de energía, lo que ayuda a evitar grandes inversiones en infraestructuras en la red eléctrica. La energía autogenerada puede venderse en los momentos más rentables y se hacen posibles las redes eléctricas autónomas basadas en la energía solar o eólica.



The Battery gleicht Angebot und Nachfrage im Energiebereich aus und hilft so, grosse Infrastrukturinvestitionen in das Stromnetz zu vermeiden. Selbst erzeugte Energie kann zu den profitabelsten Zeiten verkauft werden, und autonome Stromnetze auf der Basis von Solar- oder Windenergie werden möglich.



The system can be used for every conceivable application such as grid services or energy trading. Alfen offers an end-to-end solution including local grid embedding and network integration. Alfen almost always provides network ???