



WALMER ENERGY

Brussels Flow Battery





Overview

Engie and NHOA's 80MW/320MWh Brussels battery tames evening ramps with grid-forming finesse—peaking, arbitraging and stabilizing—urban-safe, bankable and circular, powering Belgium's wind, solar and cross-border flows. Should flow batteries be produced locally?

7 May 2025: As Europe pushes forward with the clean energy transition, producing flow batteries locally presents a unique opportunity to build a more ethical, sustainable, and transparent energy storage value chain.

Are flow batteries the future of energy storage?

3 April 2025: Our Secretary General, Anthony Price and John Alper – VoltStorage (FBE Member) were recently interviewed on The smarter E podcast about flow batteries. They spoke about how flow batteries are key to unlocking the vast energy storage needed for tomorrow's electric ecosystem.

What are Belgium's biggest battery storage systems?

Currently, Belgium's two biggest battery storage systems are a 50MW/100MWh system in Wallonia from French developer Corsica Sole, and a 25MW/100MWh system in Ruien by a Nippon Koei-Aquila Clean Energy joint venture.

Can flow battery technology be used as an alternative to Li-ion?

ENGIE's energy management system (EMS) will control the batteries as they store energy generated from the onsite solar PV for use in the evenings. Invinity said it, ENGIE and EQUANS hope to use the project to better understand how flow battery technology could be used at such sites as an alternative to Li-ion.



Brussels Flow Battery

NHOA Energy, Engie partner to build Belgian battery project

1 day ago · Energy storage system provider NHOA Energy and French electric utility Engie has agreed to partner in a new project to install a battery energy storage system near Brussels,

...

Brussels Institute for Thermal-fluid systems and clean Energy

2 days ago · BRITE is a joint research group focusing on thermal-fluid systems and clean energy, uniting FLOW (VUB) and ATM (ULB) research groups in Brussels.

ES Flow

Dec 5, 2025 · Our ES Flow batteries offer not only a sustainable solution, but also a highly efficient way of storing energy thanks to the innovative ...

NHOA Energy, ENGIE to develop BESS facility in Belgium

2 days ago · NHOA Energy and ENGIE have announced plans to develop a new 80 MW/320 MWh battery energy storage system (BESS) at ENGIE's Drogenbos power station near Brussels.

News

Oct 16, 2025 · Key insights from Energy Storage Global Conference 2025 20 October 2025: The Flow Batteries Europe Secretariat had the opportunity to participate at the 8th edition of the ...

Belgium's energy minister visits flow battery, BESS sites

Apr 3, 2024 · Belgium's energy minister visited a lithium-ion battery storage project a few days after attending inauguration of vanadium flow battery.

Belgium's energy minister visits flow battery, ...

Apr 3, 2024 · Belgium's energy minister visited a lithium-ion battery storage project a few days after attending inauguration of vanadium flow battery.

News

Oct 16, 2025 · Key insights from Energy Storage Global Conference 2025 20 October 2025: The Flow Batteries Europe Secretariat had the opportunity ...

European Sustainable Energy Week, 10

Jun 12, 2025 · 2025 Flow Batteries North America, 27 - 29 October 2025, Chicago Flow Batteries North America is the first dedicated conference ...

Events

May 9, 2025 · Harnessing Flow Batteries to Power AI Data Centres This FBE webinar will examine the rapidly growing power requirements for AI data ...



17 October 2024 Brussels.

Oct 17, 2024 · The seventh edition of the Energy Storage Global Conference (ESGC) will take place on 15 - 17 October 2024 in Brussels.

Building Flow Batteries in Europe: A Path to ...

7 May 2025: As Europe pushes forward with the clean energy transition, producing flow batteries locally presents a unique opportunity to build a ...

IFBF 2022, Brussels

Jul 11, 2022 · Last week we held our eleventh in-person IFBF conference. We received some lovely feedback from delegates; we thank everyone ...

Engie, NHOA Plug 320-MWh Battery Near Brussels

2 days ago · Engie and NHOA's 80MW/320MWh Brussels battery tames evening ramps with grid-forming finesse--peaking, arbitraging and stabilizing--urban-safe, bankable and circular, ...

NHOA Energy to Build 320 MWh BESS for ENGIE in Belgium

3 days ago · NHOA Energy will deliver an 80 MW/320 MWh NHEXUS battery system at ENGIE's Drogenbos station near Brussels under a 15-year contract. The 88-container, four-hour BESS ...

We are pleased to announce Flow Batteries Europe as

Oct 31, 2025 · ? We are pleased to announce Flow Batteries Europe as Media Partner of the Energy Storage Global Conference 2025, taking place on 14-16 October 2025 in Brussels. ...

ENGIE awards NHOA Energy a 320 MWh battery storage project in Belgium

1 day ago · ENGIE has awarded NHOA Energy the contract for a 320 MWh battery energy storage system in Drogenbos, marking a new step in their industrial partnership in Belgium.

ENGIE and NHOA Energy Expand Their Partnership in Belgium ...

3 days ago · The Drogenbos BESS represents ENGIE's third large-scale battery asset in Belgium and was selected in the country's fifth Capacity Remuneration Mechanism (CRM) auction, ...

ENGIE, NHOA Greenlight 320 MWh Battery Storage (BESS) ...

3 days ago · ENGIE and NHOA have confirmed a partnership to build a 320 MWh battery energy storage system (BESS) at Drogenbos, Brussels.

Flow Batteries Europe - Supporter

Flow Batteries Europe is an association bringing together stakeholders across the entire flow battery value chain. Our vision is to accelerate the decarbonisation in Europe and globally by ...

ENGIE and NHOA Energy Expand Their ...

3 days ago · The Drogenbos BESS represents ENGIE's third large-scale battery asset in Belgium and was selected in the country's fifth Capacity ...



Equans is dedicating its efforts to industrial testing with ...

Sep 14, 2025 · Brussels, 27 March 2024 - Jan De Nul, ENGIE and Equans launch a pilot project centred around the use of Vanadium Redox Flow batteries on industrial scale. This type of ...

Energy Storage Global Conference, 14-16 ...

Oct 16, 2025 · The seventh edition of the Energy Storage Global Conference (ESGC) will take place on 14 - 16 October 2025 in Brussels.

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