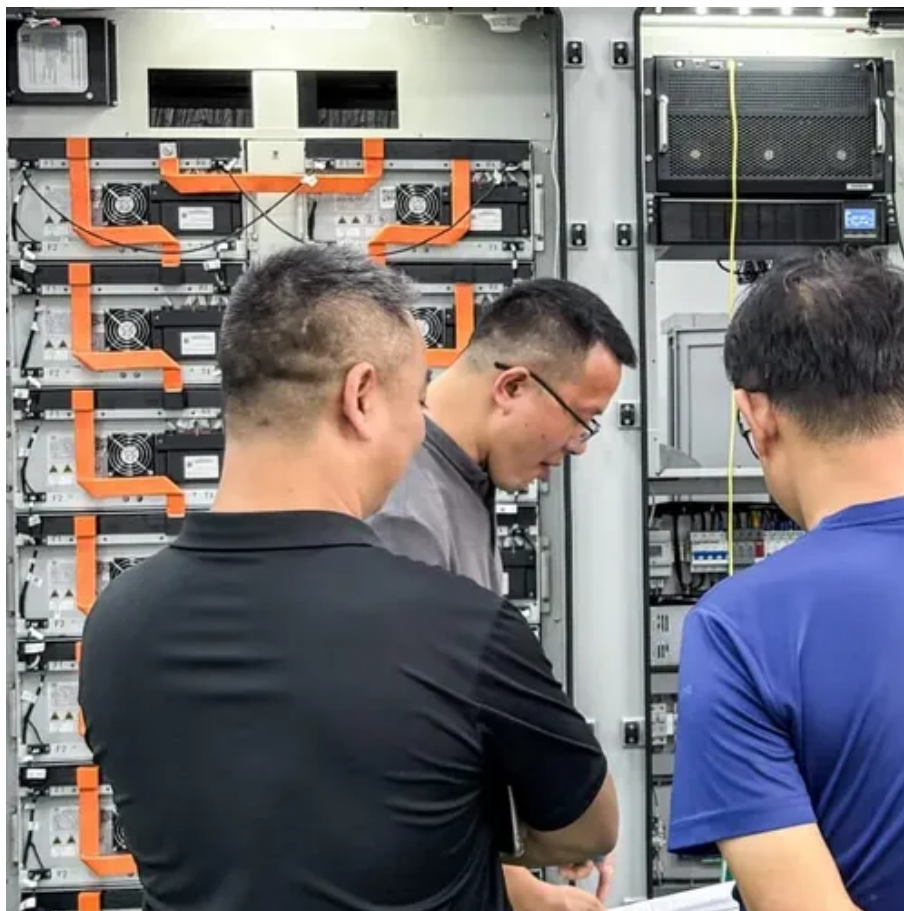




# New all-vanadium liquid flow battery in Antwerp Belgium





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### [Jan De Nul: "Vanadium redox flow battery safer than lithium ion"](#)

At Jan De Nul, an industrial plant with vanadium redox flow batteries is in place after five years of testing. These are being developed as a safer and more sustainable alternative to lithium ...

### Development status, challenges, and perspectives of key components ...

All-vanadium redox flow batteries (VRFBs) have experienced rapid development and entered the commercialization stage in recent years due to the characteristics of intrinsically safe, ...

### DETAILS AND PACKAGING



### Belgian Electric All-vanadium Liquid Flow Battery Energy Storage Project

The 100kW /380kWh all-vanadium liquid flow battery energy storage system has been successfully completed by Shanghai Electric (Anhui) Energy Storage Technology Co., Ltd.

### [ENGIE, Equans and Jan De Nul Power up Invinity Battery](#)

Invinity Energy Systems is pleased to announce that partners ENGIE, Equans and Jan De Nul have officially launched a first project featuring Invinity's Vanadium Flow Battery ("VFB") ...



### [Industriële test van Vanadium Flow batterijen als alternatief](#)

Vanadium Redox flow batterijen kunnen ingezet worden als vervanging voor of als aanvulling op Lithium-Ion batterijen bij o.a. lokale hernieuwbare energieproductie op industriële sites ...



### [Jan De Nul: Industrial-scale test of Vanadium Flow batteries, as an](#)

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 battery, which is still relatively unknown to the ...



### [Belgium's energy minister visits flow battery, BESS sites](#)

Belgium's energy minister visited the site of a large-scale lithium-ion (Li-ion) battery storage project, a few days after attending the inauguration of a vanadium flow battery system.



### [Equans is dedicating its efforts to industrial testing with Vanadium](#)



Equans installed a Vanadium Redox Flow battery, manufactured by Invinity Energy Systems, with an 800 kWh capacity at the Jan De Nul site in Hofstade (near Aalst), connected to their 578kW solar ...



### **Industrial-scale test of Vanadium Flow batteries, as an alternative for**

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### [Industriële test van Vanadium Flow batterijen als alternatief](#)

Jan De Nul, ENGIE en Equans starten met een pilootproject rond het gebruik van Vanadium Redox Flow batterijen op industriële schaal. Dit type batterij, dat nog maar weinig bekend ...





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