



[News \(/news/\)](#)

[Suppliers \(/suppliers/\)](#)

[Products & Services \(/products-services/\)](#)

[Magazines \(/magazines/\)](#)

Next-Generation Battery Train to Launch at COP26 Climate Conference

© NETWORK RAIL / VIVARAIL

[Home \(/\)](#) » [News \(/news/\)](#) » [Rolling Stock \(/category/rolling-stock/\)](#) » Next-Generation Battery Train to Launch at COP26 Climate Conference

[ROLLING STOCK \(/CATEGORY/ROLLING-STOCK/\)](#)
by Keri Allan

PUBLISHED
30 Sep 2021

TAGS

[battery-powered trains \(/tag/battery-powered-train/\)](#)

[Network Rail \(/tag/network-rail/\)](#)

[United Kingdom \(/tag/class-323-trains/\)](#)

[Vivarail \(/tag/vivarail/\)](#)

Vivarail's next-generation battery train will be launched at the international climate change conference COP26 this November, and will run daily services throughout the event.



Vivarail train at Droitwich
© NETWORK RAIL / VIVARAIL

This will support the UK government and rail industry's ambition to reach carbon reduction targets by showcasing the emission-free technology in action.

As part of the spirit of collaboration across the rail industry, Vivarail has been helped by SLC Operations, Alstom and VTG with drivers, electrical charging and transport.

The zero-emission train uses new batteries to combine maximum range with the ability to recharge quickly. The result is a train that can travel for up to 80 miles on battery power and recharge in only 10 minutes using Vivarail's Fast Charge system.

The development of this system was supported by an Innovate UK grant and will shortly begin its final stage of Network Rail approvals.

Steve McBride, Managing Director of Vivarail, said:

"It's a great honour to be asked to support such an important event. The achievement of an innovative British company like Vivarail to build a first in class train is a great example of our country's ingenuity and ability to find new technologies and ways to do things.

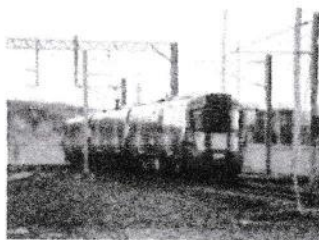
"Our R&D team has spent three years developing these new batteries, working with specialists Hoppecke. The result is a new traction and charging system able to convert diesel stock or act as range extenders on other types of electric train. We are now ready to play our part in delivering an electrified network in the shortest possible time.

"We have already sold our first train to the United States – with a second on order. As part of the RDC family we have benefitted from insights and help from the US and Europe, so we know our products have ready export potential – helping decarbonise across the world."

A hydrogen-powered train will also feature in a fringe event at COP26, announced earlier this year by Network Rail and Porterbrook.

Together these two solutions will give guests a first-hand experience of how alternative fuel trains of the future will play a vital part in building **back better and greener from the pandemic**.

Related News



05 Oct 2021 | Policy

Scotland Puts Rail Decarbonisation at Heart of Net Zero Plans

Scotland's First Minister has said that decarbonising transport, including rail services, can help reduce the threat of climate change.
(/scotland-puts-rail-decarbonisation-at-heart-of-net-zero-plans/)



04 Oct 2021 | Infrastructure

HS2 Tunnel Boring Machine Completes First Mile Under the Chiltern...

HS2 tunnel boring machine 'Florence' has passed the one mile mark, cutting through a mix of chalk and flint beneath the Chiltern hills.
(/hs2-tunnel-boring-machine-completes-first-mile-under-the-chilterns/)



01 Oct 2021 | Infrastructure

Network Rail Announces Multi-Million Investment to Protect Critic...

Network Rail has announced a £25m plan to protect the Newport-Gloucester line from further damage caused by extreme weather.
(/network-rail-announces-multi-million-investment-to-protect-critical-wales-and-borders-transport-link/)



28 Sep 2021 | Policy

Operator of Last Resort to Take Over Southeastern Following £25m...

The British government's Operator of Last Resort will run Southeastern services, following a £25m breach of the franchise agreement.
(/operator-of-last-resort-to-take-over-southeastern-following-25m-breach/)