

# Hydrogen-powered trains to run on German rails from 2021

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Hydrogen engines emit only [water vapor](#) and are considered one of the cleanest forms of transportation. The trains will replace diesel vehicles on non-electrified tracks.

There are plans to produce the hydrogen using electricity from Lower Saxony's many [wind turbines](#).

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In this Sept 20, 2016 file photo visitors look at an Alstom hydrogen-powered train at the InnoTrans international trade fair for transport technology in Berlin. Rail passengers in northern Germany will be able to travel on the world's first hydrogen-powered trains in four years' time. French engineering giant Alstom says it has signed an agreement to deliver 14 fuel cell trains to LNVG, a rail company in Germany's Lower Saxony state. (Serene Stache/dpa via AP)

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The trains will begin operating on routes between Cuxhaven, Bremerhaven, Bremervoerde and Buxtehude from December 2021.

Alstom said Thursday that the Coradia iLint trains will have a range of up to 1,000 kilometers (621 miles) and a [maximum speed](#) of 140 kilometers per hour (87 mph).

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