

# News from Mobility

Media Service from Siemens Mobility Division | 2015-4-8

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## First broad gauge Vectron arrived in Finland

The first Vectron locomotive built for a broad gauge rail system was presented today in the Finnish capital Helsinki. The Vectron has been brought to Finland for testing. It's a so-called advance locomotive for testing purposes. The locomotive will operate in Finland in the spring and summer. A modified version of the locomotive type, which is in use in Europe, is to be built for northern conditions and delivered from 2016.



In the picture: The Vectron at Helsinki's Central Station.

The advance locomotive with the series number 193 971 is equipped with instrumented wheelsets to deliver operating data to technicians. The locomotive's train control system will also be tested. All recorded test data will flow directly into the development of the serial locomotives ordered by the Finnish Railways VR Group.

The first serial locomotive is to be delivered in 2016. Under the plan, the VR Group's test runs of the electric locomotive in Finland will begin in early 2016. The first ten locomotives are to start operating in commercial transport in 2017. The aim is for all 80 locomotives to be delivered by 2026.



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“The new electric locomotives will improve the efficiency and environmental friendliness of VR Transport’s goods transport. A greater proportion of goods transport can be handled using electric power. Thanks to electric locomotives, trains on VR’s passenger transport will be moving faster, more securely, and with greater energy efficiency”, says Mikael Aro, President and CEO of VR Group.

To transport the locomotives on Germany’s normal-gauge rail network, a newly developed “loco buggy” is used. Each of the four axles of the 90-ton Vectron rests on a separate buggy. The special transport system was now being used for the first time.



The foil decors on the broad gauge test locomotive commemorate the 160th anniversary of “Siemens in Finland”.

The loco buggies adapt to different rail gauges and make transport possible. In the past, comparable systems were used only with much lighter vehicles. With this innovative transport system developed by Siemens and Railadventure GmbH, it’s possible to deliver the new locomotives to their destination without dismantling large parts beforehand. The locomotives can be quickly and securely transported to the customer ready for operation, which considerably simplifies the logistics.



Early in 2014, Siemens received an order from the Finnish Railways VR Group to deliver 80 broad gauge locomotives. «

Photos are available at: [www.siemens.com/press/Vectron-Finland](http://www.siemens.com/press/Vectron-Finland)

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