

# News from Rail Systems

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## New locomotive approved: Siemens Vectron now in operation in Poland

Siemens received the preliminary approval for DC locomotives from the Vectron family in Poland.



Must now prove its worth in the Polish winter: The Vectron DC designed by Siemens. [Link for downloading the photo: www.siemens.com/railsystems-pictures/vectron-dc](http://www.siemens.com/railsystems-pictures/vectron-dc)

In November 2011 the Polish approval authority Urząd Transportu Kolejowego (UTK) granted Siemens preliminary approval for the DC variant of the Vectron locomotive. The two locomotives with the serial numbers 5 170 020 and 5 170 021 are equipped with the SHP Polish train control system and have been in operation on test trips in Poland since 2011, e.g. in the testing area near Żmigród. In the coming months they must prove their reliability in freight and passenger transportation in order to obtain permanent approval for operation on Polish rails. To this end Siemens is working together with three Polish railway companies. The handover of the first vehicle (020) to the first operator – the DB Schenker Rail Polska railway company – took place last Friday. Further partners will include ITL Polska and PKP Intercity.

The DC variant of the Vectron is designed for a three kilovolt system and is thus suitable for networks e.g. in Italy, Poland, Slovakia, Slovenia and the Czech Republic – provided that the corresponding train control systems have been installed. The

- The Siemens Vectron DC is now transporting freight and passengers in Poland
- The authority granted approval in November
- Trial operation agreed with three railway companies

locomotive has a maximum power of 5,200 kilowatts and a tractive effort on starting of 300 kilonewtons at a weight of 80 tons. During trial operation in Poland it will run at speeds of up to 160 kilometers per hour.

The Siemens Vectron family celebrated its world premiere at the InnoTrans International Trade Fair for Transport Technology in Berlin in September 2010. Three months later the Munich-based locomotive rental company Railpool purchased the first six vehicles. «

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