

## Siemens Mobility to retrofit the Dutch Railways ViRM fleet with ETCS technology

- Siemens Mobility to retrofit 176 ViRM double deck rail vehicles with the latest ETCS onboard technology
- Siemens Mobility will provide seven years of maintenance services for ETCS system

Siemens Mobility has been awarded a contract by NS Group N.V, the Dutch Railways, to retrofit 176 ViRM trains with the latest European Train Control System (ETCS) Level 2 technology. With the ETCS Level 2 upgrade, the fleet will be able to operate with a greater degree of efficiency for the remainder of its lifetime, while also meeting the latest European standards for rail safety interoperability. Siemens Mobility will provide the ETCS onboard unit equipment and installation support, as well as seven years of maintenance services for the system. The retrofitted vehicles will be delivered in the period 2023–2027.

“All over Europe, rail operators are looking for new solutions to increase capacity and reduce energy consumption as well as infrastructure costs. Our sophisticated ETCS onboard technology will help Dutch Railways to achieve their modernization and performance goals,” said Andre Rodenbeck, CEO of Rail Infrastructure at Siemens Mobility. “This important project is another significant step in transforming the more than 20 different national railway control and safety systems currently being used in Europe, towards a harmonized and interoperable system that safely paves the way for cross border rail transportation.”

This is the first major contract award of rolling stock ETCS upgrade in the Netherlands and is part of a comprehensive Dutch program to retrofit its existing rolling stock fleet with the latest train control technology. NS and Siemens Mobility

view this initial project award as a long-term and collaborative partnership, which will ensure a smooth transition from the existing train control system to ETCS. The new system will also simplify future upgrades to the next ETCS versions according to TSI standards (Technical Specifications for Interoperability).

With its decision to opt for ETCS, Europe has paved the way for futureproof, cross-border rail traffic. Promoted by political leaders and driven by railway operators and leading providers such as Siemens, a network of ETCS-equipped lines is being created within Europe and beyond. In parallel to new construction projects, many railway companies are refitting their railway vehicles and fleets with ETCS onboard solutions. As one of the ETCS pioneers, Siemens Mobility has already implemented retrofit projects in several countries, including Switzerland, Great Britain, Spain, and Belgium.

This press release is available at <https://sie.ag/3Bel90T>

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**Siemens Mobility** is a separately managed company of Siemens AG. As a leader in transport solutions for more than 160 years, Siemens Mobility is constantly innovating its portfolio in its core areas of rolling stock, rail automation and electrification, turnkey systems as well as related services. With digitalization, Siemens Mobility is enabling mobility operators worldwide to make infrastructure intelligent, increase value sustainably over the entire lifecycle, enhance passenger experience and guarantee availability. In fiscal year 2021, which ended on September 30, 2021, Siemens Mobility posted revenue of €9.2 billion and had around 39,500 employees worldwide. Further information is available at: [www.siemens.com/mobility](http://www.siemens.com/mobility).