

# News from Rail Systems

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## MRCE locomotives equipped with ETCS

Siemens has equipped 30 type ES64U2 locomotives belonging to locomotive leasing company Mitsui Rail Capital Europe (MRCE) with the European Train Control System (ETCS). The specific system fitted was the Siemens ETCS Trainguard 200 on-board unit. Efforts to gain approval in the intended countries of deployment – Germany, Austria and Hungary – proceeded in parallel with the modification work and the locomotives have been approved for operation in these countries with and without ETCS enabled since the middle of June. The locomotives were retrofitted and commissioned at the Munich-Allach locomotive works.

- Trainguard 200 from Siemens for MRCE locomotives
- Approved in Germany, Austria and Hungary
- Retrofitting and approval in about two years



"The approvals in Germany, Austria and Hungary with ETCS give us a unique selling proposition among leasing companies in the locomotive market: Today, none of our competitors is able to offer locomotives for ETCS operation in Austria," explained Frank van de Ven, Manager technical department MRCE.

"We integrated Trainguard 200 into a Siemens locomotive for MRCE entirely in-house and completed the process, from order receipt to the handover of the modified and approved vehicles, in around two years, which is no mean feat for this type of project," added Karl-Hermann Klausecker, CEO Locomotives and Components, Siemens Rail Systems.



Siemens received the order from locomotive leasing company MRCE to fit 30 type ES64U2 locomotives with the Trainguard 200 ETCS on-board equipment at the beginning of April 2011.

MRCE provides full-service locomotive leasing throughout Europe and currently operates a fleet of over 300 locomotives. A European subsidiary of Japan's Mitsui & Co., Ltd. with offices in Amsterdam and Munich, MRCE combines locomotive leasing and associated maintenance management. «

Photos available at:

<http://www.siemens.com/railsystems-pictures/MRCE-locos>

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