



Qualcomm demonstrates dynamic charging up to 100 km/h

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Joris Van Roy POSTED ON MAY 19, 2017

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A Renault Kangoo EV is demonstrated charging while driving at a test track in Satory, Versailles (France) /Qualcomm

On a 100 meter test track at Satory, Versailles (France), American electronics giant Qualcomm, together with VEDECOM and Renault, has demonstrated the charging of electric cars while driving.

This dynamic charging is done on a 'electric road' equipped with magnetic field generators under the surface, enabling to transmit charges up to 20 kilowatts even at speeds above 100 km/h.

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of Renaults' electric program, this is "one of the tracks to develop for the electric car", even if economic models have yet to be found to compensate for the huge costs to adapt the road infrastructure. For delivery trucks, taxis and public transport this could mean they can be deployed at 100% of the time.

FABRIC project

The tests at Satory are part of the 9 million euro European FABRIC project to address the technological feasibility, economic viability and socio-environmental sustainability of wireless charging. The project with 25 organizations from 9 European countries consisting of car manufacturers and service- and automotive research organizations, started in 2014 and will end in December 2017.

VEDECOM, a public-private partnership focussing on pre-competitive research, is part of FABRIC and responsible for building the test track. Two Renault Kangoo EV's are equipped with the Qualcomm technology enabling the vehicles to charge while driving forward as well as in reverse.

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