

Real-world impacts of truck driving with Adaptive Cruise Control on fuel consumption

Gepubliceerd 23-feb-22 08:09 door [Marlies Kamp](#)

This concise report consists of an analysis that is conducted in relation to the Ursa Major Neo Integrator Connected Truck Trials project (060.36265). This project aimed to assess the real-world impacts of trucks driving with Adaptive Cruise Control (ACC) on fuel consumption, driver behaviour and logistics. During 15 weeks experimental tests in various driving campaigns by a naturalistic driving study were conducted with a total of 25 weeks of data logging.

The fuel consumption analysis is co-funded by the CATALYST Living Lab. For the purposes of reporting the project results to NWO, this report only presents the results of the CATALYST-funded part of the research. The full report (including more detailed information on the methods applied) and the Dutch summary can be found below.

- Van Kempen, E.A., De Ruiter, J.M., Souman, J.J., Van Ark, E.J., Deschle, N., Oudenes, L., Van Horst, A.R.A., Janssen, R. (2021). Real-world impacts of truck driving with Adaptive Cruise Control on fuel consumption, driver behaviour and logistics – results from a hybrid field operational test and naturalistic driving study in the Netherlands. The Hague: TNO. [TNO 2021 R10516](#).
- Van Kempen, E.A. (2021). Real-world impact van het rijden met Adaptive Cruise Control op het brandstofverbruik, de chauffeur en de logistiek. Den Haag: TNO. TNO 2021 R10709.

Tags : acc, catalyst, driverbehaviour, fuelconsumption