

# CAN Newsletter Online

CAR RACING

## Developing race strategy using CAN data analysis

The Finnish rally team Vuotari Racing is using detailed CAN analysis to provide post-test evaluations of the car's performance and detailed driver feedback. TKE, Kvaser, and Zuragon help with their CAN tools.



Collecting data from a rally car with CAN tools (Source: Adobe Stock)

Vuotari's set-up comprises a Kvaser Leaf Pro v2 OBDII, plugged under the dash of TK Engineering-employee (TKE) Maria-Teresa Vuotari's Honda Civic Type R. This is connected to a PC running both TKE's [CANtrace](#) CAN data collection software and Zuragon's [ViCANdo](#) data collection software. In addition to CAN, the latter records video and audio signals, which are displayed in trace and graph views and can be exported to various formats. For post-testing analysis and CAN monitoring, TKE's CANtrace decodes and plots the CAN messages, while Zuragon's ViCANdo gives the team access to associated video and audio recording from the test run.



TK Engineering-employee Maria-Teresa Vuotari's with her Honda Civic Type R (Source: TKE/Kvaser)

Vuotari Racing driver, Maria-Teresa said: "Combined data from CAN, audio, and video help me to choose the best racing line and braking points, as well as improve my ability to interpret the road profile. In rally tests I can drive the same stage many times and then compare different driving styles and car setups."

Motorsport is an uncommon application for TKE and Zuragon's software, which was designed primarily for Advanced Driver Assistance System (ADAS) development. However, this kind of post-test analysis is crucial in many automotive-related sectors, where access to combined data from multiple networks and sensors is useful.

[CW](#)