



## Vehicle automated progress indicator

### Problem description

Connected and Automated Vehicles (CAVs) are no longer a new technology and have had their initial breakthrough on roads. Their developments and increased level of technological advancement continues to grow as well as their presence on roads. Different levels of connectivity and automation have been described by standards organisations, such as the SAE, defining the current capabilities. Despite this, there remains a limited overview of the current practice and more importantly, current performance of these vehicles and technology in practice. There is a need for a continuous form of evaluation of the current state of practice beyond the various snippets of news and technological development currently offered. For this reason, we envisage that the construction of a vehicle automation progress indicator can have immense value and impact, offers industry and society a snap-shot of the current state of play.

### Objectives & Assignment

The objective of this project is therefore to develop generic indicator set that evaluates the current quality, technology and performance of automated vehicles on roads in Europe and potentially over the whole world. This indicator set would offer a qualitative evaluation and be based on objective input from industry, research projects and authorities and should be constructed in such a way that it is easily updated on an annual or continuous basis. The indicator set should be designed to be high impact and informative.

This topic is especially relevant for a TIL, CEG or TPM student.

This Master thesis can include an internship at European Commission, Rijkswaterstaat or another relevant organisation

### Research group

DiTTlab, Transport & Planning Department  
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### External support

European Commission, Rijkswaterstaat and/or consultant

### Information

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