# Executive Summary

The objective of SAFERtec is to design and validate a flexible security assurance framework for Connected Vehicles.  The WP4 aim is to develop and integrate the 'connected vehicle system' to enable the framework's validation.

This deliverable D4.2 "*Modules and Applications of Connected Vehicle*" presents the work carried out within WP4 for the development and set-up of the Connected Vehicle System. The final integration of the complete system will be described in D4.3 "*Integration of Connected Vehicle System*". More specifically, D4.2 describes in detail the modules and applications that are part of the SAFERtec Connected Vehicle System prototype, including relevant components, communication means and interfaces.

Starting from the architectures defined in D4.1 "Specification of Connected Vehicle System", the different modules and applications have been implemented and realized in the following project tasks: T4.2 ("V2X HW & SW module"), T4.3 ("Implementation of RSU system (Component/System Level"), and T4.4 ("Implementation of 3rd Party Applications and Services"). The final integration of these components will be reported in Deliverable D4.3 ("Integration of Connected Vehicle System"), under Task 4.5 ("Connected Vehicle System Integration").

The herein introduced connected vehicle system will be analysed in the project task T5.3 ("Composite Evaluation"), to be described in the deliverable D5.4 ("Composite Evaluation of SAFERtec Assurance Framework"– M36) of WP5 ("Assurance Framework Evaluation").  There, the implemented system will provide the means towards the evaluation of the SAFERtec assurance framework.