

Ralph Pütz, Managing Director of the Institute for Applied Vehicle Research and Exhaust Gas Analysis (BELICON) and Chair for Commercial Vehicles, Combustion Engines, Transmissions, Motorsport Technology at Faculty of Mechanical Engineering, Landshut University of Applied Sciences, Germany



Prof. Dr. Ralph Pütz (56) holds the chair for commercial vehicle technology, combustion engines and transmission technology at Landshut University of Applied Sciences and is Managing Director of the Affiliated Institute for Applied Commercial Vehicle Research and Emission Analysis (BELICON Vehicle Research GmbH). He also is entrusted with the honorable task of trust person for good scientific practice at his university. Prof. Pütz studied mechanical engineering at both the University of Applied Sciences in Cologne and the Technical University of Berlin (TU Berlin). He holds a summa cum laude doctorate in engineering sciences at the TU Berlin with a dissertation in the field of ecological and economic analysis and modeling as well as strategic optimization of regular bus fleets.

After an industrial career of more than 26 years, in advanced development at GKN-Walterscheid (Lohmar) and, last but not least, as head of regular bus technology and maintenance at the Association of German Transport Companies (VDV, Cologne), he was appointed as full professor for commercial vehicle technology at Landshut University of Applied Sciences after 5 years as a lecturer at Cologne University of Applied Sciences.

Under his leadership, the Affiliated Institute BELICON Vehicle Research emerged to one of the most renowned German research Institutes in the field of portable emission measurement in real driving operation (RDE) of heavy duty commercial vehicles (buses, trucks) and off-road machinery (tractors, agricultural and construction machinery) as well as energy balance measurements in electric buses. Over the years, Prof. Pütz and his team have measured RDE in nearly every diesel and CNG as well hybrid bus type available on the European market, commissioned by renowned OEM vehicle manufacturers and OEM retrofit systems manufacturers as well as by large communal fleet operators all over Europe.

Furthermore, he is deeply involved in pure electro-mobility, having measured energy consumption on nearly every electric bus available on the German market and being scientific partner in the European research projects EBSF (European Bus Systems of the Future) and ZeEUS (Zero Emission Electric Urban Bus Systems), having conducted electric bus evaluation studies for the European Commission as well as differentiated energy



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balances studies on electric buses for the German transport ministry. In addition, after the actual “dieselgate crisis” discussion in Germany, Prof. Pütz was elected to the advisory committee of the German federal government. Furthermore, he is author of books as “Introduction to the bus technology”, “Strategic optimization of regular bus fleets” and “Electric bus transport systems” as well as “Race car technology – course in driving dynamics”.