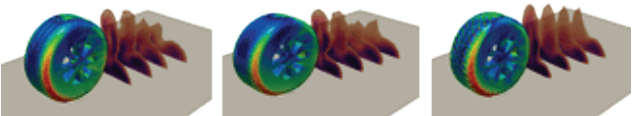


**ICON<sup>®</sup>**  
**for WLTP**

In 2018 a Worldwide harmonized Light vehicles Test Procedure was created under the UN Global Technical Regulation. It's a method to determine emissions, fuel/electric energy consumption and range for light duty vehicles in repeatable and reproducible manner.

Development and homologation of vehicles requires a combination of experimental measurement and CFD simulations.

The ICON process has been first certified in 2018 by a major OEM for calculation of drag delta of geometry modifications.



While most WLTP relevant configurations can be modelled successfully with efficient steady state approach, wheel modification requires sophisticated simulations with advanced turbulence modelling and dynamic mesh capability.

**Contact Us To Find Out More**  
**[www.iconCFD.com](http://www.iconCFD.com)**

# Why ICON ?

A unique experience in the automotive industry:

“The technical and business benefits delivered by the AeroFOAM process from ICON are significant”

[VW Group Press Statement, July 2009]



“... we run 25 full car simulations per day with the icon AeroFOAM process, whereas before we ran one equivalent simulation with our former proprietary solution...”

[Audi, Fraunhofer SCAI/Scapos. Oct. 2011]

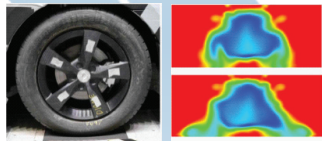
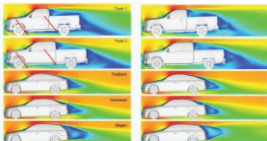
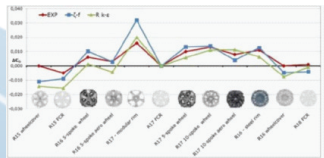


“Thanks to ICON we have achieved outstanding results in very tight time frame. The key role of ICON in this achievement is undoubted. The ICON on-site staff has demonstrated high level of professionalism and education.”

[Skoda Auto a.s. manager official letter, Jan 2014]



Dearborn Test Facility



*An Extensive Validation of an Open Source Based Solution for Automobile External Aerodynamics [SAE 2017-01-1524]*

*Industrial Application of an Advanced Elliptic-Blending Turbulence Model for Wheel Aerodynamics Analysis [SAE 2018-01-0739]*

ICON has been an expert CFD engineering partner to industry for over 25 years. Its team of CFD/CAE experts and aerodynamicists has delivered more than 100 OEM Wind Tunnel and CFD campaigns worldwide in the last 5 years. With a global presence and offices in Europe, America and Asia, ICON ensures a continuous support.

