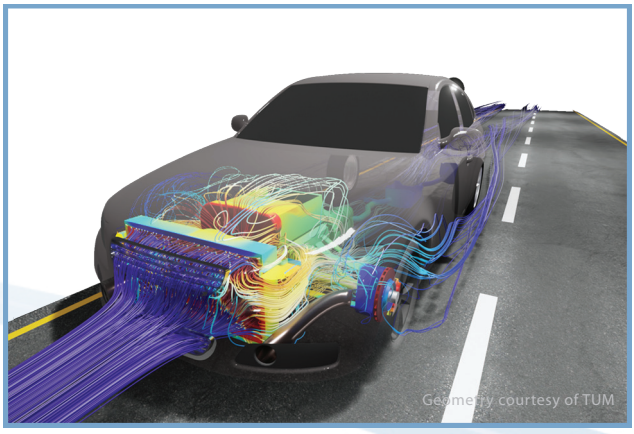
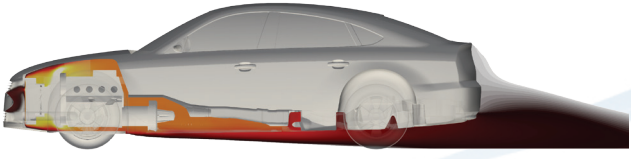


ICON

for Under-Hood Thermal Management

ICON has extensive experience in supporting OEMs in under-hood thermal management , for the design and packaging of engine bays. Over the years a suite of tools have been developed to help engineers with:

- Accurate control of cooling efficiency through thermal modelling and integrated heat exchanger and fan models
- Identification of critical hot spots which can lead to system failure from engine bay all the way down the exhaust line
- Inclusion of radiation effects, buoyancy and heat shields
- Key-off modelling (heat soak)

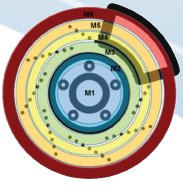


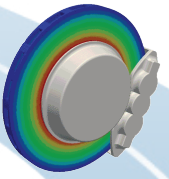
Contact Us To Find Out More
www.iconCFD.com

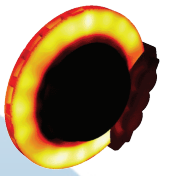
Why iconCFD Thermal ?

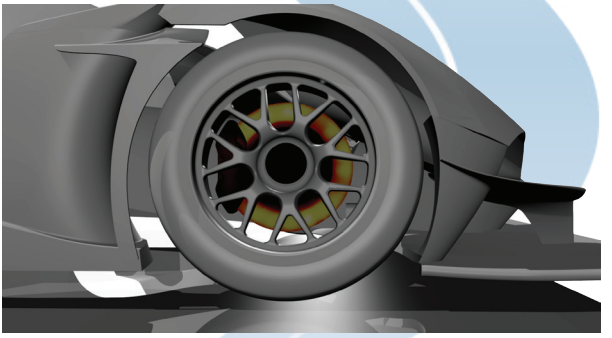
In addition to UHTM problems, iconCFD Thermal brings powerful tools to the user to tackle brake cooling modelling with existing methods and an innovative new approach:

- Simplified fixed heat boundary condition
- Brake cooling with CHT and rotation but with static mesh (ICON BAF method)
- Full CHT simulation including surface-to-surface radiation and dynamic mesh rotation









Geometry courtesy of Praga

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.

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