

## The Roof of the Autonomous Driving Future

**Webasto is presenting a functional Roof Sensor Module as a solution for autonomous mobility for the first time at IAA Mobility 2021. The concept succeeds in integrating sensor technology into the car roof in a visually attractive way.**

**Stockdorf - September 6, 2021** - With the Roof Sensor Module, global leading supplier Webasto is helping to shape the future of autonomous driving and offering car manufacturers the opportunity to retain their individual vehicle architecture.

Camera, radar and lidar technologies lay the technological foundation for safety and reliable 360° environment detection in autonomous driving. To detect obstacles, road users and hazards in all weather conditions, a set of different sensors is integrated at several positions in the roof. The different technologies combine their individual strengths to deliver reliable results in all weather conditions.

As a mechatronic system integrator, Webasto relies on a network of long-standing as well as newly established development partners. For the sensor portfolio, Webasto works closely with market-leading suppliers such as Bosch, Hesai, Innoviz Technologies, Luminar and Robosense, which provide innovative solutions in the relatively new field of lidar technology. In addition to lidar sensor technology, Bosch is also a specialist in environment detection using camera and radar technology. In order to guarantee the functionality of the sensor technology in all weather conditions and with all kinds of dirt, various cleaning systems with water and air are integrated into the Roof Sensor Module. Here, for example, Webasto relies on the expertise of dlhBowles and Röchling. Delta's intelligent thermal management also ensures optimum operating conditions, while National Instruments contributes a reliable measurement system.

With this concept, sensors, cameras and related features can be integrated into the roof systems in a visually appealing way. In this way, open and transparent roofs are also possible for autonomous driving vehicles. Sliding roof systems, solar technology, ambient lighting or switchable glazing are examples of features that can be additionally added with the individual selection of sensor technologies.

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### **About Webasto:**

The Webasto Group is a global innovative systems partner to the mobility industry and one of the 100 largest suppliers to the automotive sector worldwide. The company's offering includes in-house developed roof, heating and cooling systems for various types of vehicles, batteries and charging solutions for hybrid and electric vehicles, and additional services related to thermal management and electromobility. Among the customers of Webasto are manufacturers of passenger cars, commercial vehicles and boats, as well as dealers and end customers. In 2020, the Group generated sales of around 3.3 billion euros and employed more than 14,000 people at over 50 locations. The headquarters of the company, which was founded in 1901, is located in Stockdorf near Munich (Germany). For more information please visit [www.webasto-group.com](http://www.webasto-group.com)

**Contact for media:**

Webasto Group

Birgit Felske

Spokeswoman Product & Technology

Phone: +49 89 8 57 94-51811

E-Mail: [birgit.felske@webasto.com](mailto:birgit.felske@webasto.com)