Bosch CO2 Sensor receives Innovation award

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The leading German supplier Bosch has received a prestigious award from Europe's biggest automotive club ADAC. Its Climate Control Sensor for mobile air-conditioning systems was recognized as a major contribution to fuel savings and emissions reductions.

Europe's largest automobile association, the German auto club ADAC, has presented Bosch with its 2008 "Gelber Engel" (Yellow Angel) award in the "Innovation" category for its Climate Control Sensor (CSS) which measures accurately the level of carbon dioxide inside the passenger compartment. The expert panel rewarded the automotive supplier for its pioneering achievement that leads to a more efficient control of the air conditioning system, while reducing fuel consumption and the emission of greenhouse gases from the engine. Bosch's CCS was thus one of three outstanding initiatives to get the prize for their significant contribution to safety, environmental protection and automotive development.

Named after the ADAC road patrol cars, the "Yellow Angel" award recognizes key developments in five categories: "Best Car", "Quality", "Personality", "Brand" and "Innovation & Environment". Having received a record number of 44 applications from institutions, associations and automotive companies, the ADAC expert panel decided to award Bosch with the third prize in the “Innovation” category, just behind Volkswagen's 1,4l-TSI-motor, and the European Commission for its support of the electronic rescue system "eCall". At the ceremony on 17 January in Munich, Bosch Chairman Franz Fehrenbach welcomed the recognition: "Together with my colleagues, I am very pleased that our CO2 sensor has been singled out for this award. It is one of the many technologies we produce that make the car more environmentally friendly and, in the end, more economical."

Climate Control Sensor saves fuel & emissions

Bosch’s robust and compact Climate Control Sensor optimizes the indoor air quality through an infrared-based spectroscopy measuring even minor changes in the composition of the air. The result is a more efficient control of the air conditioning system, both on current and future R744-based ones, and a corresponding reduction in its energy demand: "Based on recent tests in a medium-sized car under summer conditions in Southern Europe we estimate to achieve a significant saving potential of up to 0.5 litres per 100 kilometres. This translates to an emissions reduction of 11.6 g CO2/km," commented Dr. Udo

Kaess, Project Leader at Bosch, for R744.com.

"Our Climate Control Sensor forms the basis for new air conditioning control strategies," Kaess added. Bosch has already supplied samples of the sensor to automakers' development departments. For more information about Bosch's Climate Control Sensor, please visit the product section of R744.com.

Background

The Bosch Group is a leading global supplier of automotive and industrial technology, consumer goods, and building technology. With 260,000 employees, it operates in more than 50 countries.

The German automotive club ADAC (Allgemeiner Deutscher Automobil-Club) has 16 million members, making him the world's third largest of its kind. Its "Yellow Angel" awards have been presented every year since 2005.

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