

# Trade fair review: KSPG at the IAA Trade fair in Frankfurt



## Taking new products to the best automotive show in the world



From 12 to 22 September 2013, 1100 exhibitors from 35 countries presented their products at the 65th International Motor Show (IAA PKW) in Frankfurt.

Alongside products for reducing fuel consumption and emissions, KSPG also presented a particularly low-noise and low-vibration range extender for electric vehicles, which was installed in a demonstration vehicle.



*Electric vehicle with the KSPG range extender.*

### Range extender

The electric car fitted with the range extender was the most eye-catching feature of the two-floor, 400 square metre exhibition stand. Experts and legislators generally consider the range extender to be the pioneer for the wider acceptance of electric vehicles. The advantages of this unit include the fact that it reduces battery sizes and costs, while also minimising the resulting additional weight. In addition, it is possible to achieve the usual ranges without requiring long charging times on the trip. This relieves the driver of the fear of exceeding the range, a phenomenon following the introduction of electric mobility that should not be underestimated.

### KSPG (Kolbenschmidt Pierburg). Renowned supplier to the international automotive industry.

As long-standing partners to the automotive industry, the companies in the KSPG Group develop innovative components and system solutions with acknowledged competence for air supply and emission control, for oil and water pumps, for pistons, engine blocks and engine bearings. The products comply with the high demands and quality standards of the automotive industry. Low emission, reduced fuel consumption, reliability, quality and safety – these are the forces that drive innovation at Kolbenschmidt Pierburg.

### Motor Service Group. Quality and Service from a single source.

The Motor Service Group is the sales organisation for the worldwide aftermarket activities of Kolbenschmidt Pierburg. It is one of the leading suppliers of engine components for the independent aftermarket including the premium brands KOLBENSCHMIDT, PIERBURG and TRW Engine Components. Our comprehensive product range allows our customers to procure engine components from a single source. As a problem solver for dealers and repair shops, Motor Service offers extensive services and the technical expertise that you would expect from the subsidiary of one of the largest automotive suppliers.



Another highlight was the **UniValve valve train system**. It operates the engine valves in a purely mechanical way and works with high operational safety and low friction. This allows it to offer huge potential for the reduction of fuel consumption and/or CO2 emissions for the engine generations of today and in the future. In addition, it improves the response behaviour of petrol engines in particular.



**Pierburg GmbH** – the KSPG AG internal specialist for emission control and reduction of consumption – presented a new generation of their recirculating air valve, exhaust gas flaps, and throttle valves with new functions, among other things.

*Fig.: Manufacture of recirculating air valves at the Pierburg plant in Neuss*



Friction and weight-reducing high performance pistons were presented by **KS Kolbenschmidt GmbH**. Alongside modern passenger car steel pistons, this year the manufacturer also developed a new diesel piston alloy, which allows a particularly precise and resilient piston structure to be created.



**Pierburg Pump Technology GmbH (PPT)** exhibited variable, fully variable and electrical oil, vacuum and coolant pumps. They can be flexibly adapted to the respective load condition of the engine and thus reduce fuel consumption and emissions.



**KS Gleitlager GmbH** presented new materials for engine bearings as well as for non-lubricated bearing positions in the drive train.

