



HELLA and ZF Form Strategic Partnership

- **Firmly in focus: camera systems, imaging and radar sensor technology**
- **Partnership for development and marketing aims to produce modern assistance systems and autonomous driving functions for passenger cars, commercial vehicles and off-highway applications**
- **Latest vehicle sensor technologies support enhanced safety and pave the way for autonomous driving**

Friedrichshafen/Lippstadt. ZF and HELLA are entering into a strategic partnership. Both automotive suppliers will benefit from this cooperation on sensor technology, particularly for front camera systems, imaging and radar systems. ZF will further strengthen its portfolio as a systems supplier which offers both modern assistance systems and autonomous driving functions, whereas HELLA will drive technological development and benefits from a broader market access with its leading technologies. The first joint development project in camera technology will start immediately, with the objective of a market launch in 2020.

“This strategic partnership for sensor technology with HELLA enhances our position as a complete systems supplier for modern assistance systems as well as autonomous driving functions,” says Dr. Stefan Sommer, CEO of ZF Friedrichshafen AG. “This non-exclusive cooperation with HELLA is an important expansion of our Vision Zero ecosystem of development partnerships. Thus, we can create a wider technological foundation for safety and autonomous driving.”

Dr. Rolf Breidenbach, CEO at HELLA KGaA Hueck & Co., adds: “HELLA is a strong and experienced provider of sensor technologies. Our knowledge aligns perfectly with ZF’s expertise. By combining our strengths, we clearly aim to provide market leading and high performing assistance systems and autonomous



driving functions. In addition, this cooperation will strengthen HELLA's position as a well-regarded supplier for imaging and radar sensor technologies."

Front cameras to achieve the best Euro NCAP rating

In their first joint project, the partners are targeting a current market trend: In the future, the highest Euro NCAP safety ratings will require the assistance of camera-supported assistance functions. Therefore, the demand for front cameras in all vehicle segments will rise. ZF and HELLA will offer automotive manufacturers a joint product and are starting development immediately with an expected SOP in 2020. ZF brings hardware and its expertise in functions, systems and integration to the table, whereas HELLA and its subsidiary HELLA Aglaia Mobile Vision contribute competence in efficient, tried-and-tested imaging software and application development.

In the mid to long term, these cooperation partners will also provide camera systems for automated driving functions as well as for commercial vehicles and off-highway applications. ZF expands its camera portfolio and therefore offers more options to customers while continuing to work with established partner. HELLA Aglaia gains a new customer and partner for its independent and open software solutions for driver assistance systems.

Long-term development partnership for radar systems

In their cooperative work in the radar systems sector, the partners will also identify opportunities to provide attractive volume-production solutions in the short to mid term by jointly building up their product portfolio. HELLA's 360° surround view radar systems together with ZF's mid-range and long-range radar systems will establish a new and comprehensive systems solution. While the joint development will focus on systems solutions, each partner will continue to develop and to offer its technology independently on a component level. Here, the true potential of a long-term development partnership lies in the ability to utilize common



system architecture as well as product families which are adapted to each other.

Press contact:

Thomas Wenzel, Director External Communications,
Tel.: +49 7541 77-2543, e-mail: thomas.wenzel@zf.com

Andreas Veil, Business and Finance Communications,
Tel.: +49 7541 77-7925, e-mail: andreas.veil@zf.com

Dr. Markus Richter, HELLA KGaA Hueck & Co.,
Executive Vice President Corporate Communications and
Investor Relations,
Tel.: +49 2941 38-7545, e-mail: markus.richter@hella.com

ZF Friedrichshafen AG

ZF is a global leader in driveline and chassis technology as well as active and passive safety technology. The company has a global workforce of around 137,000 with approximately 230 locations in some 40 countries. In 2016, ZF achieved sales of €35.2 billion. ZF annually invests about six percent of its sales in research & development – ensuring continued success through the design and engineering of innovative technologies. ZF is one of the largest automotive suppliers worldwide.

ZF allows vehicles to see, think and act. With its technologies, the company is striving for Vision Zero – a world of mobility without accidents and emissions. With its broad portfolio, ZF is advancing mobility and services in the automobile, truck and industrial technology sectors.

HELLA KGaA Hueck & Co.

HELLA is a global, listed family business with currently approx. 36,000 employees at over 125 locations in some 35 countries. HELLA Group develops and manufactures lighting technology products and electronic components for the automotive industry and still has one of the largest retail organizations for automotive parts, accessories, diagnostics, and services within Europe. Complete vehicle modules, air-conditioning systems, and vehicle electrical systems are also produced in joint venture companies. With more than 6,000 people working in research and development, HELLA is one of the most important innovation drivers on the market. In addition, with sales of € 6.4 billion in fiscal year 2015/2016, HELLA Group is one of the top 40 automotive suppliers in the world and one of the 100 largest German industrial companies.



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