

Lippstadt, 12 December 2022

SSL | HD: HELLA further expands leading market position in chip-based headlamp technologies

- World's first series production of an SSL | HD headlamp started at the Lippstadt site
- Total order intake for SSL | HD technology already at around € 1.5 billion after further high-volume project acquisitions
- High-resolution, safety-relevant lighting functions can be realised through individual switching of up to 25,000 LED pixels per chip
- Halving of development costs and capital expenditure on the customer side possible due to "world headlamp approach"

HELLA, the automotive supplier operating under the FORVIA umbrella brand, continues to expand its leading market position in the field of digital, chip-based headlamp systems. On the one hand, the company has started the world's first series production for its "Solid State Lighting | High Definition" headlamp at its Lippstadt site. On the other hand, HELLA has also received the next high-volume series orders for this technology from another German as well as an international premium car manufacturer. Following these successful orders for SSL | HD technology, HELLA has already acquired customer projects with a total volume of around € 1.5 billion.

"The market launch of our SSL | HD headlamps is another milestone in automotive lighting technology, with which we are setting completely new standards in terms of performance, functionality and cost efficiency," says Yves Andres, Managing Director Lighting at HELLA. "In this respect, we now benefit from the fact that we relied on SSL | HD technology for high-resolution headlamps at an early stage and have consistently driven its development ever since. On this foundation, we have established a market-leading position, which we are continuously expanding outwards with further customer orders and the next generation of products."

The SSL | HD headlamp is an evolutionary further development of established LED matrix systems. With this new headlamp technology, up to 25,000 pixels per LED can be switched intelligently and individually, depending on customer requirements. Thus, a multitude of new, high-resolution lighting functionalities can be realised. These include

lane markings, symbol projections as well as lane brightening and light carpets. Other safety-enhancing functions such as projections of safety distances or protection zones for cyclists or pedestrians are also conceivable.

In SSL | HD technology, HELLA has further miniaturised the light source together with partners. Due to the significantly lower installation space requirements, it offers car manufacturers additional degrees of freedom in headlamp integration and vehicle design. At the same time, the software-based control of the light points allows the "world headlamp approach" to be realised, which HELLA has already successfully implemented. This means: All necessary adjustments to the headlamp, for example due to region-specific requirements such as right-hand and left-hand traffic, can be mapped exclusively in purely digital form in an identically constructed light module. A variety of up to twelve technically different versions of the headlamp has thus become obsolete. On the customer side, this can reduce development costs and capital expenditure by around 50 percent.

With the customer projects that have now been acquired, HELLA is not only expanding its existing customer base for this SSL | HD technology to include additional car manufacturers. In addition to the first start-up in Lippstadt, it will also go into series production in other HELLA lighting plants in China, Mexico, the Czech Republic and Slovakia in the coming years. HELLA will thus bring the Solid State Lighting | High Definition headlamp system onto the road in all regions worldwide by 2025.

Please note: This text and corresponding photo material can also be found in our press database at: www.hella.com/press

About HELLA

HELLA is a listed, internationally positioned automotive supplier operating under the umbrella brand FORVIA. Within this factual group, HELLA stands for high-performance lighting technology and automotive electronics. At the same time, the company covers a broad service and product portfolio for the spare parts and workshop business as well as for manufacturers of special vehicles with its Business Group Lifecycle Solutions. HELLA has 36,000 employees at more than 125 locations worldwide and generated consolidated sales of € 6.3 billion in the fiscal year 2021/2022.

About FORVIA

FORVIA comprises the complementary technology and industrial strengths of Faurecia and HELLA. With over 300 industrial sites and 77 R&D centers, 150,000 people, including more than 35,000 engineers across 40+ countries, FORVIA provides a unique and comprehensive approach to the automotive challenges of today and tomorrow. Composed of six Business Groups with 24 product lines, and a strong IP portfolio of over 14,000 patents, FORVIA is focused on becoming the preferred innovation and integration partner for OEMS worldwide. FORVIA aims to be a change maker committed to foreseeing and making the mobility transformation happen.
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