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News Release

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Merck KGaA, Darmstadt, Germany, Inaugurates OLED Application Center (OAC) in Korea

- **Investment of over € 7 million to build OAC in Korea**
- **Merck KGaA, Darmstadt, Germany, captures competitive advantage by better serving customers and helping to shorten their time to market**

Darmstadt, Germany / Gyeonggi, Korea, May 28, 2015 – Merck KGaA, Darmstadt, Germany, a leading company for innovative and top-quality high-tech products in the healthcare, life science and performance materials sectors, has inaugurated an OLED Application Center (OAC) in Korea (Pyeongtaek, Gyeonggi Province). Johannes Baillou, Chairman of the Board of Partners of E. Merck KG, Darmstadt, Germany, Walter Galinat, President and CEO of the Performance Materials business sector, Udo Heider, Head of the OLED business, Michael Grund, Managing Director of Merck Ltd., Korea, a subsidiary of Merck KGaA, Darmstadt, Germany and many distinguished guests including Rolf Mafael, German Ambassador, Yongrae Kim, Director General of Ministry of Trade, Industry & Energy (MOTIE), and representatives from Korea Trade-Investment Promotion Agency (KOTRA), Pyeongtaek City Government, Korean-German Chamber of Commerce and Industry (KGCCI), Samsung Display(SDC), LG Display(LGD) attended the official ceremony held on May 28, 2015.

To strengthen its commitment to OLED research, Merck KGaA, Darmstadt, Germany, invested over € 7 million to establish the OLED Application Center in Poseung in 2015.

Page 1 of 4

Merck KGaA

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News Release

The plan was part of efforts to further increase customer satisfaction and capture competitive advantage by better serving Korean customers and helping to shorten their time to market. "This investment is based on our continued faith in Korea's leadership of global display industry and confidence in the industry's long-term growth," said Johannes Baillou.

"OLED Application Center has a range of equipment for OLED evaporation testing and reliability analysis and will introduce other advanced processes such as inkjet printing through continuous further investment. With the launch of the new center, Merck Ltd., Korea, a subsidiary of Merck KGaA, Darmstadt, Germany, now runs both an OLED Physics Application Center and a Chemical Application Center established in 2011 at one site, a first in Asia," emphasized Walter Galinat.

The project team of Merck Ltd., Korea, a subsidiary of Merck KGaA, Darmstadt, Germany, spent one year on the design and construction of the new building and was supported by our engineering team from Darmstadt. The building features cleanroom facilities and equipment that meet international standards; fire protection and safety were a top priority. With construction having been completed last February, the building has been commissioned and the first blue device was successfully produced on April 2, 2015.

"We at Merck KGaA, Darmstadt, Germany, will continue efforts based on our customer-centric strategy of helping our customers succeed in their markets. We are committed to research and development of advanced technologies that live up to our customers' needs and expectations. I believe this is the key factor for a successful partnership. We develop today what our customers will apply tomorrow," said Michael Grund.

In 2002, Merck KGaA, Darmstadt, Germany established Merck Advanced Technologies Ltd., Korea, as a subsidiary to consolidate its liquid crystals business as well as all operational activities. This initial investment consisted of a production center and a warehouse building in Poseung. In 2008, Merck KGaA, Darmstadt, Germany, decided to



News Release

invest € 11 million in a new Advanced Technology Center, which was inaugurated in May 2010. In October 2011 Merck KGaA, Darmstadt, Germany, opened its first Chemical Application Center outside Germany in Korea. In May 2015 Merck Advanced Technologies Ltd., a subsidiary of Merck KGaA, Darmstadt, Germany, was renamed in Merck Performance Materials Ltd.

About Merck Ltd., Korea

Merck Ltd., Korea, a subsidiary of Merck KGaA, Darmstadt, Germany, comprises the companies Merck Ltd., Korea, a subsidiary of Merck KGaA, Darmstadt, Germany founded in 1989, and Merck Performance Materials Ltd., a subsidiary of Merck KGaA, Darmstadt, Germany established in 2002, as well as AZ Chem Ltd. and AZ Electronic Materials Ltd. which were integrated into Merck Ltd., Korea, a subsidiary of Merck KGaA, Darmstadt, Germany, in 2014. They supply healthcare, life science and analysis products as well as performance materials such as liquid crystals and effect pigments. In 1999, Merck Ltd., Korea, a subsidiary of Merck KGaA, Darmstadt, Germany, set up its Korean pharmaceutical operations, which were integrated with Merck Ltd., Korea, a subsidiary of Merck KGaA, Darmstadt, Germany, following Merck KGaA's, Darmstadt, Germany, acquisition of Serono S.A. in 2007. Merck KGaA, Darmstadt, Germany, has increased the number of clinical trials in Korea and has a strong local R&D ties, not only in the field of medicine but also in the chemical industry. In 2008, Merck KGaA, Darmstadt, Germany, decided to invest € 11 million in a new Advanced Technology Center (ATC) to improve Merck KGaA's, Darmstadt, Germany, R&D and manufacturing capacities by providing high-quality products for the rapidly growing display market. This investment also underscores Merck KGaA's, Darmstadt, Germany, commitment to innovative solutions to further the future success of the Korean display industry. Merck KGaA, Darmstadt, Germany, completed its acquisition of the Millipore Corporation, a leading U.S. life science company, in 2010. In 2011, the OLED application lab was launched in Korea as the first outside Germany.

A book explaining the significance and advantages of Merck KGaA, Darmstadt, Germany, as a family-owned company entitled "The Merck Way" was published in August 2012 in Korean. This book on family governance and its application to business activities, including mergers and acquisitions, marks the first publication on the topic outside Germany. Merck KGaA, Darmstadt, Germany, inaugurated the Biomanufacturing Sciences & Training Center (BSTC) with Genexine for bioprocess development and training in October 2013. In 2014, Merck KGaA, Darmstadt, Germany, completed the acquisition of AZ Electronic Materials, creating a leading supplier in the premium segment of high-tech materials and functional specialty chemicals for the electronics industry. AZ materials are widely used in integrated circuits and devices, flat panel displays, and light-emitting diodes.



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Merck KGaA of Darmstadt, Germany, is a leading company for innovative and top-quality high-tech products in healthcare, life science and performance materials. The company has six businesses – Biopharmaceuticals, Consumer Health, Allergopharma, Biosimilars, Life Science and Performance Materials – and generated sales of € 11.3 billion in 2014. Around 39,000 employees work in 66 countries to improve the quality of life for patients, to foster the success of customers and to help meet global challenges. Merck KGaA, Darmstadt, Germany, is the world's oldest pharmaceutical and chemical company – since 1668, the company has stood for innovation, business success and responsible entrepreneurship. Holding an approximately 70% interest, the founding family remains the majority owner of the company to this day. Merck KGaA, Darmstadt, Germany holds the global rights to the Merck name and brand. The only exceptions are Canada and the United States, where the company operates as EMD Serono, EMD Millipore and EMD Performance Materials.

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