

LayTec and Korea Kiyon announce strategic cooperation for OEM integration of in-situ PL metrology in PVD systems for perovskite manufacturing

Berlin, Germany – Seoul, South Korea, February 24, 2026 – LayTec AG, a leading provider of in-situ metrology solutions for thin-film processes, and Korea Kiyon Co., Ltd., a specialist in advanced physical vapor deposition (PVD) systems, today announced a strategic cooperation for the OEM integration of LayTec's in-situ photoluminescence (PL) measurement system PearL into Korea Kiyon's PVD chambers for perovskite thin-film fabrication.

The collaboration enables real-time, non-destructive monitoring and control of perovskite layer composition directly during deposition. By combining Korea Kiyon's high-performance PVD process technology with LayTec's PearL in-situ PL metrology, customers gain access to an advanced solution for precise process control, improved reproducibility, and accelerated process development.

LayTec's PearL system is specifically designed for room-temperature deposition processes and provides highly sensitive photoluminescence measurements, allowing direct insight into material composition, bandgap, and film quality during growth. Integrated as an OEM solution into Korea Kiyon's PVD platforms, PearL enables precise process optimization and enhanced yield in perovskite manufacturing.

"Perovskite technology demands precise control over material composition and layer quality," says Volker Blank, CEO of LayTec AG. "By integrating our PearL in-situ PL measurement system directly into Korea Kiyon's PVD chambers, we provide customers with a powerful metrology solution that delivers real-time insight into the deposition process and enables superior process stability and control."

Jeffrey Lee, CEO of Korea Kiyon Co., Ltd., adds: "This cooperation with LayTec significantly strengthens our PVD platform for perovskite applications. The combination of Korea Kiyon's deposition expertise with LayTec's proven in-situ metrology allows our customers to optimally control and monitor their processes, paving the way for reliable and scalable perovskite manufacturing."

The OEM integration of LayTec's PearL system demonstrates both companies' commitment to supporting the industrialization of perovskite technologies by providing advanced tools for process understanding, control, and optimization.



PRESS RELEASE

About Korea Kiyon:

Established in 1985, Korea Kiyon Co., Ltd., has been supplying its own branded glove box systems, vacuum deposition systems, and enclosure systems to leading universities, research institutions, OLED, battery, and solar companies worldwide. It has expanded its scope into the medical field, producing research and production equipment for medical and bio industries. Korea Kiyon's Vacuum deposition systems for solar and battery research are essential core equipment for solar cell and module production. Through their research equipment and services including PVD (Physical Vapor Deposition) and AFM (Atomic Force Microscopy), Korea Kiyon contributes to the advancement of solar industry technology.



About LayTec:

LayTec, part of the Nynomic group, is a Berlin-based company which designs and manufactures integrated in-situ and in-line optical metrology solutions for process control in semiconductor and photovoltaic production. LayTec provides metrology systems for non-destructive monitoring for critical film properties, including thickness, color, band gap, sheet resistance, composition and surface roughness. These systems cover a broad spectrum of deposition and film formation techniques, supporting both academic research and high-volume industrial production. With over 3,500 systems installed worldwide, LayTec supports both research and mass production environments and offers a global service network to ensure reliable performance and customer success.



For more information, please contact: Volker Blank, CEO and Director Marketing & Sales at LayTec, Email: info@laytec.de, T: +49 (0)30 89 00 55 0