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In the late 1990s, LayTec's innovative in situ measuring technology created a sensation in the already adrenalin-pumped compound semiconductor market. Because our in situ sensors proved indispensable for optimising material quality and obtaining run-to-run reproducibility in epitaxy-based opto-electronic and electronic applications, LayTec quickly became the market leader in compound semiconductor monitoring instrumentation, replacing conventional ex situ models of characterisation.

Today our ever-expanding line of optical sensors continues to provide the most advanced solutions for monitoring of MOVCD, MBE and other thin-film growth processes. LayTec's unique spectroscopic real-time technology provides access to all main parameters during the actual growth process.

LayTec sensors are also used in a diverse range of photovoltaic, oxide, organic and other thin-film applications. The new LayTec SolR inline monitoring system now opens the door to complete in-line control of thin-film photovoltaic processes. The tool provides the key parameters of each layer during the process: film thickness, effective absorption, conductivity fingerprints, roughness and texture.

We balance the spirit of innovative, pioneering invention with solid production efficiency. Fast-paced product development is inspired by a continuing dialogue with our customers. Supported through an international network of local distributors, LayTec sensors are in use at leading institutes and manufacturing facilities around the world.

All of LayTec's high-precision instruments are built in our in-house production facilities. This gives us the added capability to respond quickly to potential engineering needs for sensor customisation and OEM integration.