

LayTec company overview

Dr. Kolja Haberland, CTO

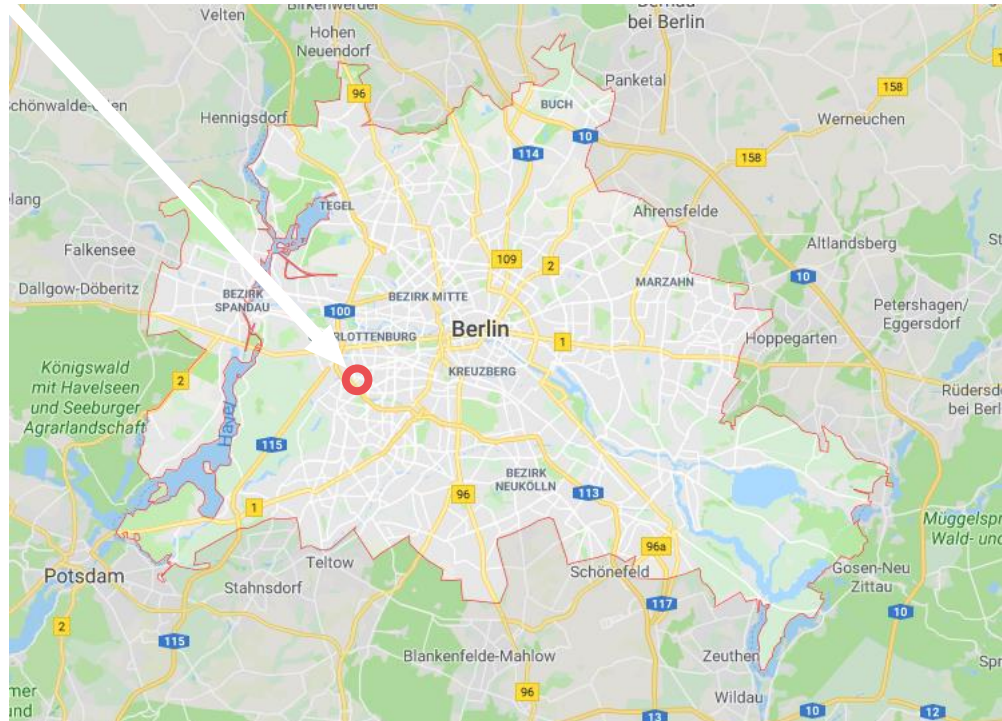
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info@laytec.de

www.laytec.de



founded 1999 in Berlin
spin-off of TU Berlin
20 years old
65 employees
2500 systems sold
operating worldwide



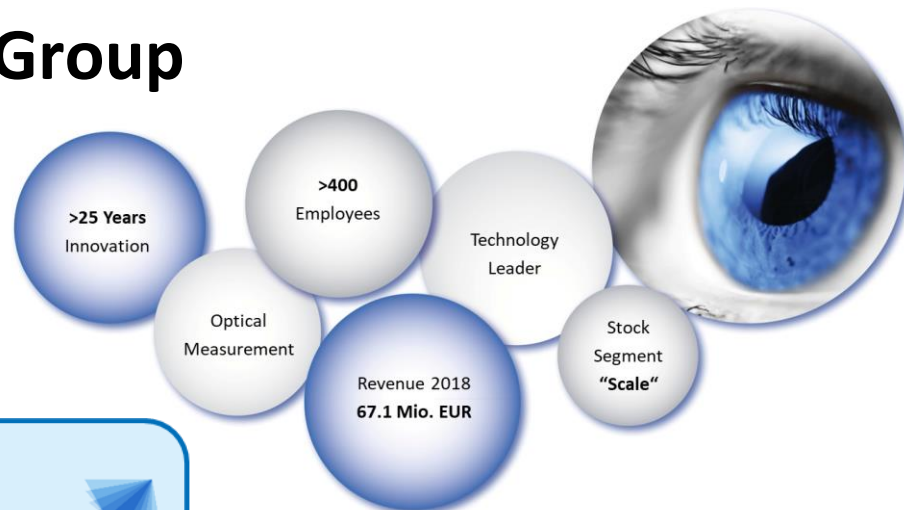
<https://www.google.de/maps>

Our business: Process-integrated optical metrology

**Our markets: Semiconductor and thin-film industry & academia
incl. lighting, laser, PV, glass coating ...**



Powerful Brands within the Group



m·u·t

m-u-t GmbH
Wedel, GER

tec5

tec5 AG
Oberursel, GER

AVANTES

Avantes Holding B.V.
Apeldoorn, NED

APOS

APOS GmbH
Wedel, GER

LAYTEC

LayTec AG
Berlin, GER

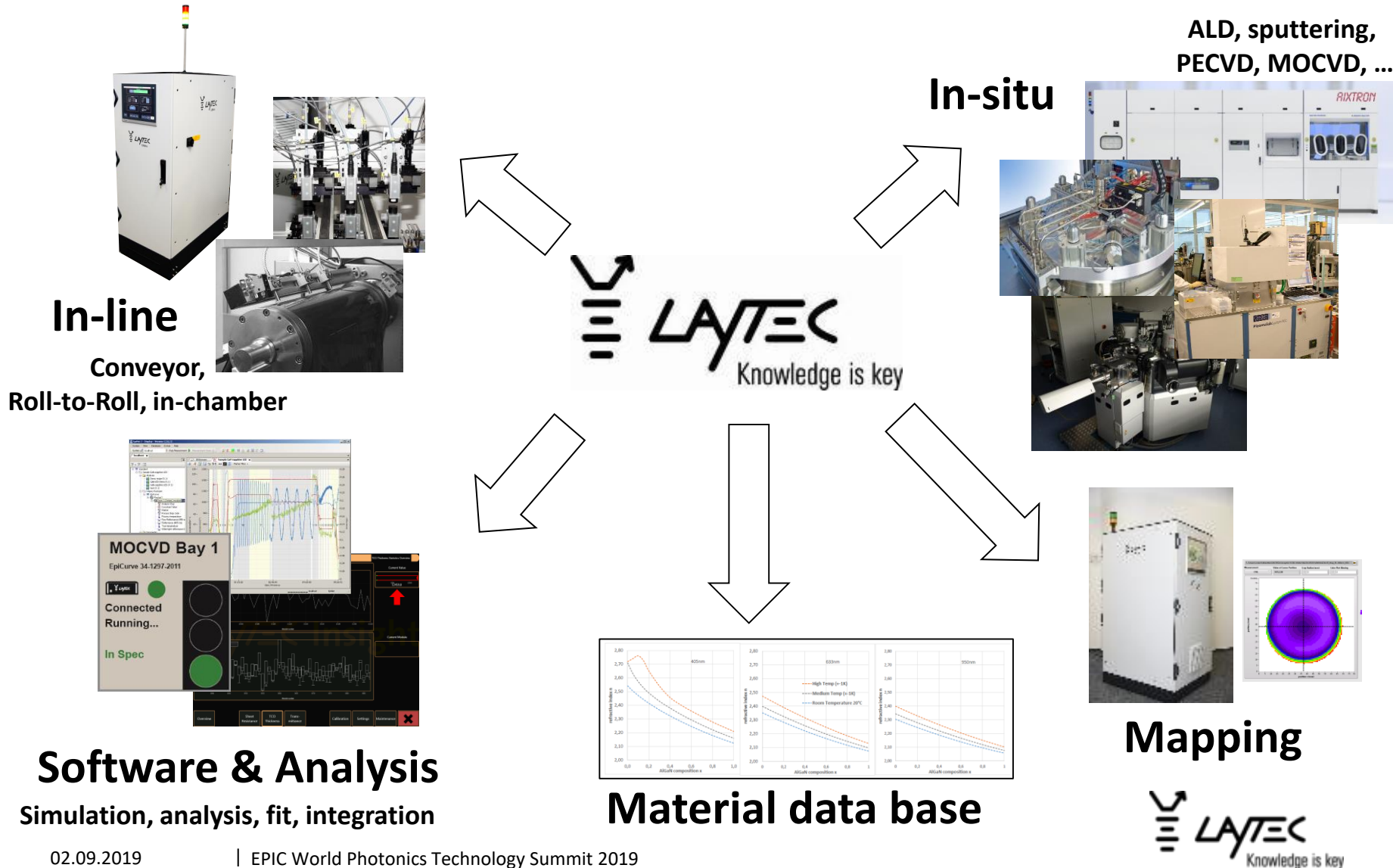
SPECTRAL ENGINES

Spectral Engines Oy
Helsinki, FIN

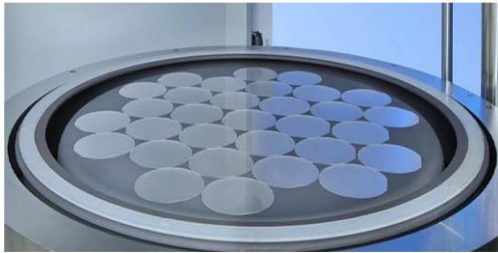
LemnaTec

LemnaTec GmbH
Aachen, GER

Integrated metrology for various industries and markets

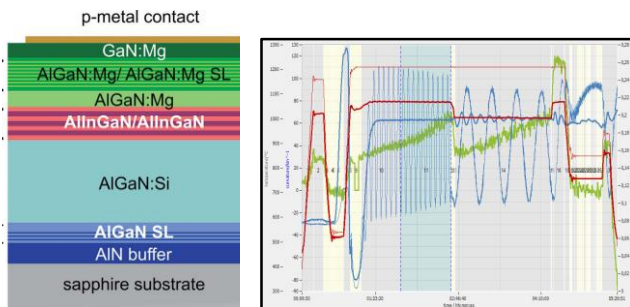


in-situ metrology in semiconductor industry



substrate wafers

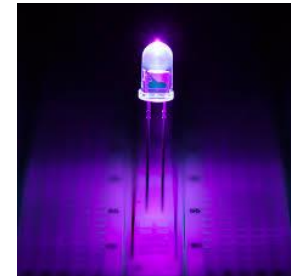
process control
= monitoring and control of
deposition or growth
process



optical in-situ metrology tool



deposition system (e.g. MOCVD)



semiconductor device
(e.g. LED)

Measurement of

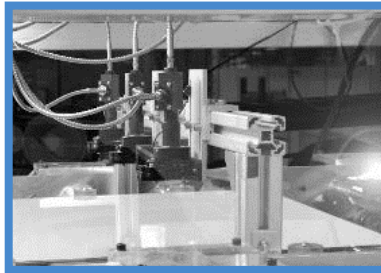
- temperature
- layer thickness
- growth rate
- ternary composition
- surface morphology
- ...



in-line metrology in thin film coating industry

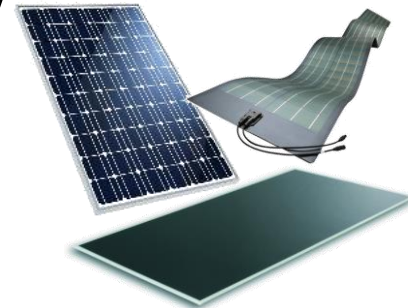
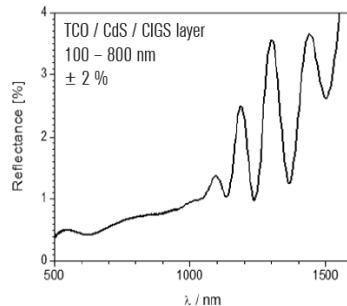


optical line metrology tool

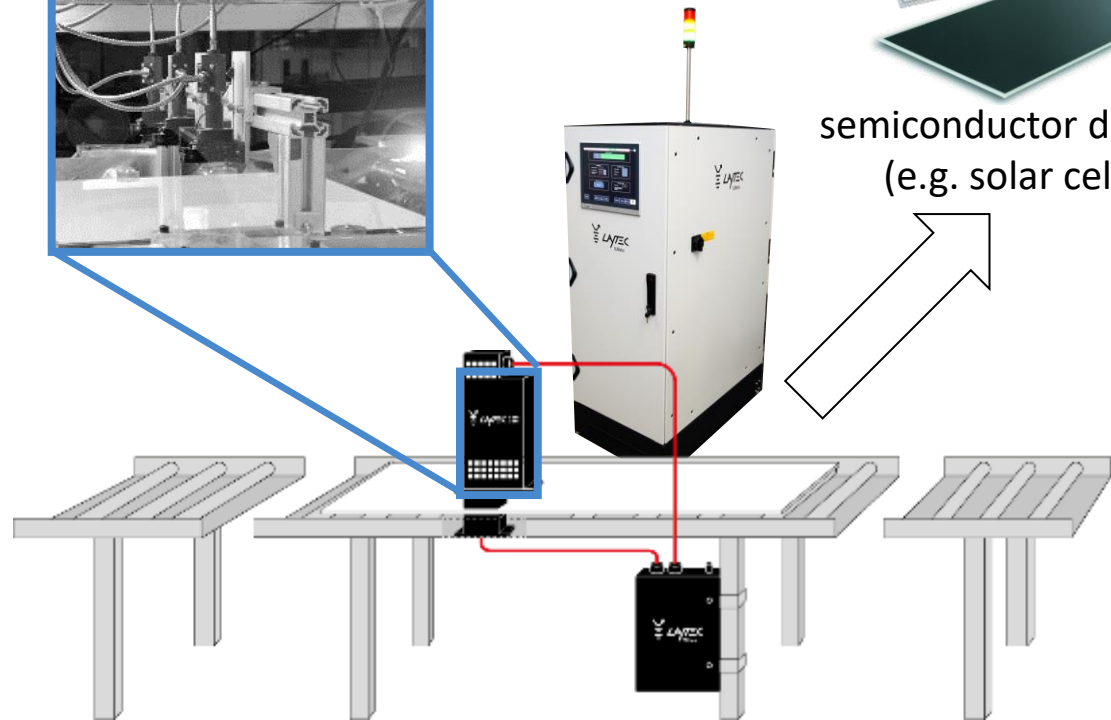


large area substrates
or polymer foil (roll-to-roll)

various optical
measurement methods
(R, T, ...) can be combined in
ILMetro stations



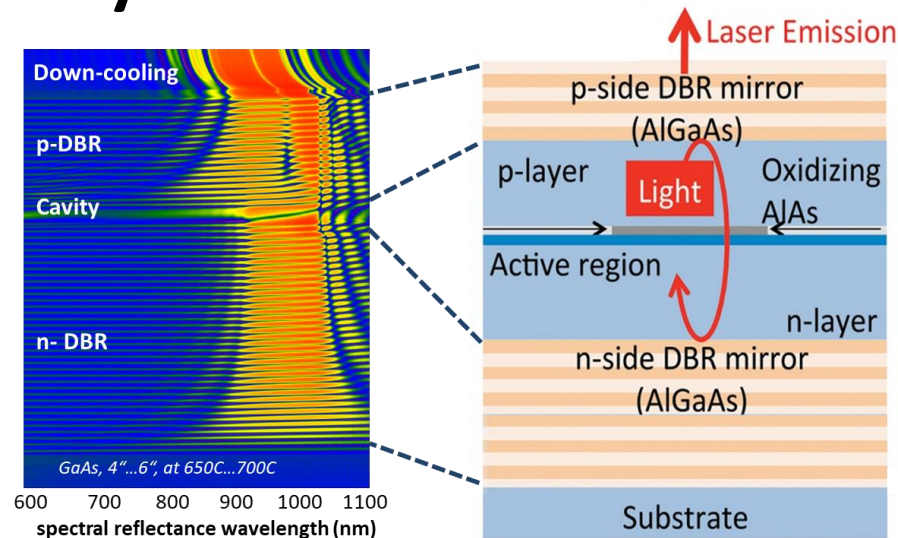
semiconductor device
(e.g. solar cell)



conveyor system or roll-to-roll line



Knowledge is key ...



... for understanding complex growth processes and layer structures
We bring your complexity under control!

RIXTRON

BROADCOM

JENOPTIK

AZURSPACE
SOLAR POWER DBR

DOW

DOW CORNING

alcatel

OSRAM

IQE

REC

Q CELLS
a Hanwha company

SINGULUS

SINGULUS

SMI
Technology

CRHEA
TEC

EPISTAR

imec

evatec
process systems

FBI
Ferdinand
Braun
Institut

ASTRONERGY

agnitron
technology

OTTO VON GUERICKE
UNIVERSITÄT
MAGDEBURG

LAYTEC
Knowledge is key

Knowledge is key



www.laytec.de

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