

LANDAUER

The global leader in radiation science and services



Introduction



Vincent MAUGIS, Director Marketing and Business development

- Joined LANDAUER in 2016
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- LANDAUER worldwide experience as service providers (> 2 million exposed workers monitored everyday worldwide, 300 000 in Europe with 10,000 customers)
- **ISO/IEC 17025** accreditation
- LANDAUER's Al₂O₃ OSL technology (high and stable sensitivity, accuracy, reliability)
- More than 200 dosimetry laboratories in 60 countries using LDR OSL technology
- **PI Medical** reputation in the Netherland



LANDAUER LABORATORY

Strong global footprint





Strong Global Footprint



- 6 labs on 5 continents
- 10 offices
- Growing OSL crystal
- Netherland:
 Distribution by PI
 Medical (Sales & Support)



A team of experts







Employees (metrologists, physicists ...)

Production and analysis of the dosimeters near Paris



Full range of dosimeters All radiations All body zone



Technical and commercial support team at your service

Reporting and record keeping



OSL TECHNOLOGY





OSL

advantages

- X- and gamma rays, beta and neutron radiation (special OSLN material)
- Aluminum oxide, doped with carbon, Al₂O₃:C
- OSL: designed and produce by Landauer. 30 years of regular improvement to meet new Standards
- Fully **optical**, no heating
- Dose algorithms meet several accreditation bodies requirement
- High sensitivity minimising the stimulation
 - less than 0.5% of the signal is removed for each reading
 - OSL readout process allows for dose verification through reanalysis
 - Allow dose reporting down to $50 \ \mu Sv$
- Stable sensitivity over time
- No re-calibration required
- No fading



Accreditation & approval





Strål DSA Bosen säkerhets myndigheten

Sündhedsstyrelsen

Sante.lu

COFRAC accreditation

 Cofrac Tests Accreditation n°1-1545
 ISO 17025 standard FANC (Belgium) ANVS (NL) HSE (UK) EPA (Ireland) SSM (Sweden) DSA (Norway) SIS (Denmark) MOH (Luxemburg)



Participation in national and international inter-comparisons (EURADOS & IRSN)





Type tests

Characterization by independent and accredited laboratories

Photon/beta dosimetry according to EN 62387

list

Ceatech



Neutron dosimetry according to ISO 21909



DOSIMETRY SERVICES



A customer service close to you



Front office: PI Medical Back office: Dedicated contact person

Customer service available from Monday to Friday 9.00am to 5.00pm





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LANDAUER direct Your dosimetry in one click



Manage your dosimetry online

- Secure Customer portal
- User-friendly interface
- Email alert (dose available, dose exceeded, non return...)
- Access to doses within 24 hours

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Customer life made simple





- Dosimeters measuring all types of radiation
- For all wearing location
- Confortable
- Easy to clean

Dosimeter type and differentiation







BEDANKT! ELKE VRAAG?

