

LoskoVision GmbH

Next Level Imaging



Close collaboration with Amsterdam Scientific Instruments
on single photon counting detectors with ns temporal
resolution!



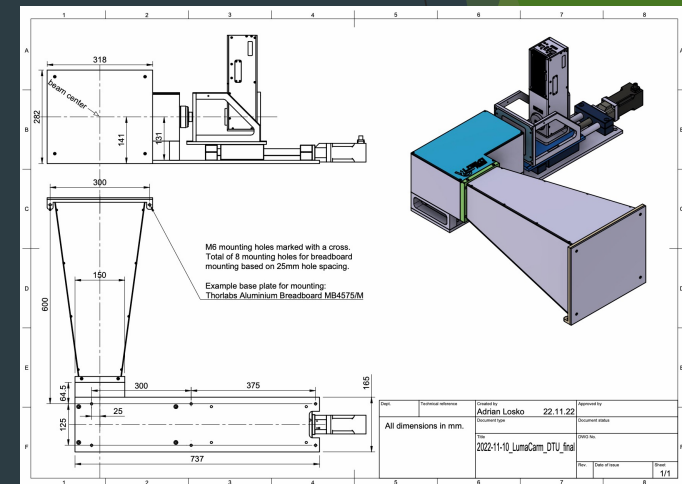
AMSTERDAM
SCIENTIFIC
INSTRUMENTS

Support by ASI infrastructure, including tailored design of
camera for neutron applications.



Currently, providing functional detector system with multi step approach:

- Detector system has proven to run stable
- Already operational at various facilities
- Established multi step approach allowing users to develop their own detectors or routines using raw data or already partially processed data, e.g. single photons
- First functional implementation with EPICS and other interfaces
- Various solutions for large and small Field-of-Views
- Constantly updated hardware and software available to all collaborators
- Transparent detector development and support
 - > All details on detector disclosed/published
 - > LoskoVision relies on company know how... if you want to build your own detector you can!



What will LoskoVision GmbH bring to the table?

- Full detector systems including individual design if required
- Software for neutron detection / data reduction and implementation of software to existing data-acquisition infrastructure at the instruments/facilities
- Upgrades/Updates based on new developments in scintillators, cameras, software, etc.
- International collaboration with institutes and companies to ultimately accelerated the development



OPERATIONAL NEUTRON SOURCES

Thanks to NIST for listing them for us!

North America

[NIST Center for Neutron Research](#)

[Oak Ridge Neutron Facilities \(SNS/HFIR\)](#)

[Los Alamos Neutron Science Center \(LANSCE\)](#)

[University of Missouri Research Reactor Center](#)

[Indiana University Cyclotron Facility](#)

Europe

[ISIS-Rutherford-Appleton Laboratories, United Kingdom](#)

[Institut Laue-Langevin, Grenoble, France](#)

[Leon Brillouin Laboratory, Saclay, France](#)

[Berlin Neutron Scattering Center, Germany](#)

[GEMS at Helmholtz-Zentrum Geesthacht, Germany](#)

[Juelich Center for Neutron Science, Germany](#)

[FRM-II, Munich, Germany](#)

[Budapest Neutron Centre, Hungary](#)

[RID, Delft, The Netherlands](#)

[SINQ, Paul Scherrer Institut \(PSI\), Switzerland](#)

[Frank Laboratory of Neutron Physics, Dubna, Russia](#)

[St. Petersburg Neutron Physics Institute, Gatchina, Russia](#)

Asia and Australia

[ISSP Neutron Scattering Laboratory, Tokai, Japan](#)

[JAEA Research Reactors, Tokai, Japan](#)

[KENS Neutron Scattering Facility, Tsukuba, Japan](#)

[Hi-Flux Advanced Neutron Application Reactor, Korea](#)

[Bhabha Atomic Research Centre, Mumbai, India](#)

[Bragg Institute, ANSTO, Australia](#)

Who are the customers?



What will the future of LoskoVision GmbH look like?

Providing full solutions to various neutron applications

Continues upgrades to existing detectors

Implementation and support for cross institutional standards (NICOS, EPICS, etc)

Transparent development

High potential for X-rays, including medical imaging!



Thank you for listening!

Questions?

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