

**Seracam® Gamma-Optical Camera for Real Time Radiation Imaging Presented at
FS Radiation Protection Conference in Winterthur, Switzerland**

London, UK, 28th September 2026. Serac Imaging Systems Limited, developer of Seracam® a portable hybrid gamma-optical camera for real-time radiation imaging, is presenting a poster at the 57th annual conference of the Fachverband für Strahlenschutz (FS), the German-Swiss Association for Radiation Protection, which this year marks 60 years of radiation protection. The conference is taking place in Winterthur, Switzerland from 28th September to 2nd October.

What Seracam is:

Seracam is a commercially available, compact, portable, hybrid gamma-optical camera.

It:

- Enables operators to see radiation in real-time with pinpoint accuracy while they are working
- Can localise focal areas and hot spots even against high relative background distributions
- Has a 20 to over 1 MeV energy range
- Has been supported by research from Loughborough and Leicester universities
- Was first trialled as part of the Sellafield "Game Changers" programme
- Is designed for civil nuclear applications including decommissioning, waste management and radiation protection

The poster, presented by Development Engineer Owen Rosser, titled **"Gamma-optical video imaging at the point of use: real-time, high-resolution video imaging of radiation in motion"** highlights Seracam's performance during a real-world decommissioning scenario. It shows how Seracam displays a precisely co-aligned live image of radiation over an optical image for operators to see where radioactive material is while they work.

How Seracam supports nuclear decommissioning:

The poster uses examples to show how Seracam can support operators across a range of decommissioning and radiation protection tasks, including:

- **Surveying, locating and tracking:** quick surveys find items of interest; the operator gets immediate feedback and can react accordingly
- **Monitoring and segregating waste:** the camera shows where activity is concentrated; this information can be used to help sort waste
- **Searching for and localising sources:** within seconds Seracam can identify activated sources

Imaging performance shown in the poster:

- **Multiple radioisotopes:** highly and low enriched uranium, californium and americium imaged together, including when one "hot" source dominates the field of view
- **Detailed heat maps:** these give actionable information in complex environments
- **High spatial resolution and sensitivity:** shown with low-activity Eu-152 calibration rods

Mark Rosser, Serac Imaging Systems' Chief Executive, commented:

"Seracam can visualise and monitor distributions and concentrations of multiple focal or distributed sources during active nuclear decommissioning operations. Providing real-time images to the operators at the point of use during radioisotope handling can aid decommissioning activities making tasks faster, safer and more effective."

Frequently asked questions

What is a hybrid gamma-optical camera?

It is a camera that records gamma radiation alongside a standard optical image at the same moment, then overlays the two. This shows the user exactly where the radioactive material is located.

How can Seracam support nuclear decommissioning?

The poster shows Seracam being used to survey facilities, find and track radioactive items, identify activated materials, and monitor and segregate waste. Potential applications include:

- Glovebox and hot-cell operations
- Process control
- Monitoring fluid flow
- Filtration or filter breakthrough
- Clean-up of contamination, leaks, and spills

Where can I see Seracam?

At the FS Annual Conference, Winterthur, Switzerland, from 28th September to 2nd October 2026.
Or, by arranging a demonstration directly with Serac Imaging Systems.

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Enquiries:

To find out how Seracam could support decommissioning, waste characterisation or radiation protection work contact sales@seraclifesciences.com

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Notes to Editors**About Serac Imaging Systems and Seracam®**

Serac Imaging Systems Ltd is a platform imaging technology company and the developer of Seracam, a portable hybrid gamma-optical camera. With lightweight, high-sensitivity gamma detection technology, Seracam merges real-time radiation imaging with live optical video at the point of use, enabling users to visualise the size, shape, distribution and relative radioactivity of sources with pinpoint precision.

Seracam has applications for use in decommissioning nuclear facilities and enhancing operations at national security agencies, making critical tasks faster, simpler and more effective while enhancing safety.

Seracam® is a UK and EU registered trademark. Serac Imaging Systems Ltd is a wholly owned subsidiary of Serac Life Sciences Limited.

www.seracimagingssystems.com/industrial

About the FS Radiation Protection conference: <https://www.fs-ev.org/der-fs/veranstaltungen-des-fs/die-jahrestagungen/jahrestagung-2026>