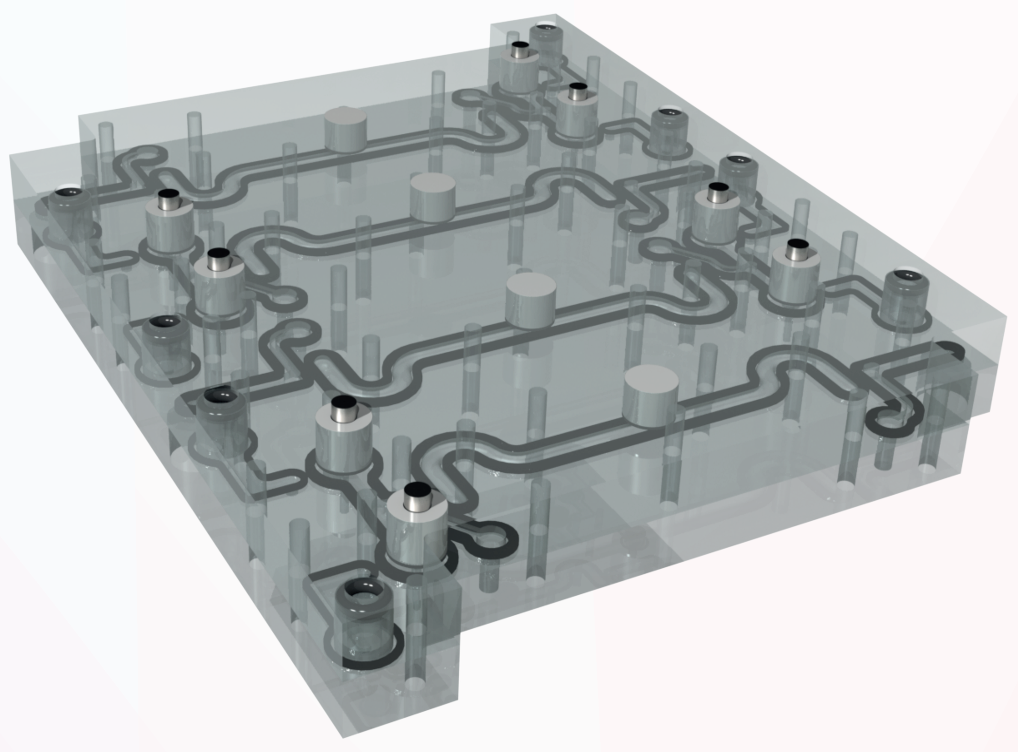
# Automated Radiochemical Separation

... the next generation of radiochemical separation

## Case Study

The Sr and Pu/Am chip technology have been shown to work for real effluents arising from a nuclear licensed site.

Analysis was carried out for Sr-90, Pu-238, Pu-239/240 and Am-241 with results in agreement with those obtained by traditional methods.



The separation yields were good (>76%) and the spectra free from interferences.

This work was carried out by NNL at their Preston Laboratory using equipment and separation chips provided by NiV Ltd.

It showed the NiV Separator system, using technology licensed from NNL, is capable of isolating target radionuclides with faster separation times, less waste and equivalent yields to those achieved by standard manual separation methods

## Collaboration & Partnership:

MicroLab Devices & The National Nulcear Laboratory have worked together through Innovate UK on two funded projects to develop and further this technology.

Nuclear Innovations Limited is a newly accredited ISO9001 business entity formed to commercialise the technology. We look forward to working with you.

MicroLab Devices

NATIONAL NUCLEAR LABORATORY

Innovate UK
Technology Strategy Board

**Nuclear Innovations Ltd,**
The Donelec Building,
Westfield Industrial Estate,
Kirk Lane, Yeadon,
LEEDS, LS19 7LX
**www.n-i-v.com**

NiV