



Lab
Impex
Systems

Securing your
Radiation Safety



Defence

Nuclear

Medical

Industrial

Ahead by design

Our products have been designed with future requirements in mind. One of the first companies in the nucleonics industry to be awarded ISO9001 certification, we continue to lead the field in ensuring our instrumentation is designed to exceed the most rigorous of safety and regulatory standards.

Quality throughout

Lab Impex adheres to a strict quality management system ISO9001:2000 and we are NQA-1 audited. Quality control in each step of our processes results in quality and reliable products and services.

Embracing the latest Safety Standards

Safety is our paramount concern. Specific products are certified to IEC 61508 - the latest standard for process monitoring safety. By managing product development from the outset in an IEC 61508-aligned environment we are also one of the few companies worldwide to have a product certified to comply with this standard, independently accredited by SIRA (a UKAS Accreditation Service following the CASS scheme) and further accredited by CASS (Conformity Assessment of Safety related Systems). These accreditations apply specifically to our SSM (SIL Safeguard Monitor) which can be integrated with our latest generation of CMS (Continuous Monitoring Systems) providing functional safety for a variety of applications.

LEADING
EDGE
DESIGN



INDUSTRY
KNOW-HOW

FLEXIBLE
COST-EFFECTIVE
SOLUTIONS

Value for Money

The majority of our products are designed in a modular format; this generally ensures that when a custom solution is needed, 80% of that requirement can be met by selecting from our various modules, with only 20% needing to be customised. This approach enables us to offer customised design, at close to off-the-shelf pricing and deliver a tried and tested system.

Our Key Areas of Product and Service Expertise include:

- ◆ Continuous environmental/plant radiation monitoring
- ◆ Stack/duct emission monitoring and services
- ◆ Surveillance monitoring
- ◆ Emergency response - Accident Incident Deployable Measuring Equipment (AIDME)
- ◆ Laboratory counting and dosimetry solutions
- ◆ Contamination monitoring and survey meters
- ◆ Handling manipulators and vehicles

Nuclear, Defence and Industrial

Lab Impex takes a market leading approach in providing comprehensive radiation monitoring systems, to address area and process radiation safety in nuclear facilities.

Our broad ranging capability covers every element from continuous environmental monitoring and personnel radiation safety, through to remote handling vehicles and emergency response equipment. We take pride in the delivery of reliable, cost effective solutions to meet the highest safety standards which these demanding environments require.

Ian Steele, Control and Instrumentation Engineer, BNFL, on installation of their Perimeter Gamma Monitoring System:

“Lab Impex successfully installed the system within a very tight timescale. All issues arising during installation were resolved quickly and effectively. Since commissioning the system the Station has been completely satisfied with its operation. Feedback from the Operators has been positive and system reliability has been high”

Medical, Cyclotron/PET facilities

Lab Impex was first commissioned over 15 years ago to provide a continuous radiation monitoring system for one of the UK's first Cyclotron/PET facilities. Our experience in providing environmental monitoring solutions for this particular area has led to the development of our unique 'Applications Solution' approach when installing PET radiation monitoring systems. Unlike more product orientated companies, we don't simply install the system and walk away. Recognising the variation there is in this medical setting, we work very closely with our customers to ensure that they get the very best results from the systems, including for example, the correct monitoring of all key areas from stack and ventilation systems, radio-pharmacy hot cells to patient waiting areas. The new model CMS-PET meets the very latest regulatory requirements and provides the highest levels of sensitivity to monitor positron gas emissions and gamma dose rate.

In 2004 Lab Impex installed a large and complex multiple stack and networked laboratory area monitoring system at the The University of Manchester Molecular Imaging Centre (MMIC) located at the Christie Hospital Site.

Terry Jones, Professor of Molecular Imaging on installation of the system at MMIC: *“Timescales for this installation were very tight. Working to ensure the project kept its momentum, Lab Impex proved both innovative in the design and installation of their instrumentation for our particular needs and were professional in meeting deadlines. Since installation we have had occasion to undertake novel testing of the equipment where the company has been of considerable help. The system has proven reliable and Lab Impex's service support has been responsive.”*

Lab Impex products, services and customised solutions are employed in major nuclear, defence, medical and industrial installations worldwide.

Our extensive client base includes:

AWE, British Nuclear Group, British Energy, UKAEA, BAE Systems Marine, RWE Nukem, Balfour Kilpatrick, GE Healthcare, IRE Institute, CERN, Siemens, Westinghouse, Manchester Molecular Imaging Centre, NHS.

Secure in our hands

- ◆ Radiation monitoring and measurement expertise
- ◆ Flexible radiation instrumentation systems
- ◆ Complete radiometric network systems provision and support

Lab Impex Systems takes pride in the flexible solutions we offer our customers in the Defence, Nuclear, Medical and Industrial sectors to secure a safe working environment.

PRODUCTS



Securing your environment

**CUSTOM
SOLUTIONS**



SERVICES





Comprehensive and flexible product range

With 30 years experience in the development and supply of radiation detection instrumentation, Lab Impex Systems offers a comprehensive range of standard and customised instrumentation. Unique and specialised solutions are continually being introduced. Our specialist sales staff will advise you on the most cost effective and accurate measurement solution appropriate to your needs.



Compliant and cost effective solutions

Tailoring systems to meet the specific needs of the Defence, Nuclear and Medical sectors is a major part of Lab Impex's business. We will work with you to ensure your particular User Requirement Specification is met in full, sourcing from both our own and third party instrumentation and skill sets.



Project management and turnkey solution provision

With 70% of our business coming from total solution provision, our systems for sales and service are geared to support custom requirements and installations. This is true not only in the UK, but also worldwide we operate through a skilled network of representatives.

For a complex installation, you require a specialist, you also need the assurance that the whole project will be managed to budget and installed and commissioned to schedule. Our customers have that peace of mind.

- ◆ Consultation on design
- ◆ Complete system provision
- ◆ Installation
- ◆ Commission
- ◆ Post-operative service support



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