



Scottish Environment  
Protection Agency

Buidheann Dion  
Àrainneachd na h-Alba

# Commercial Services

Delivering environmental, economic  
and social success world-wide

**SEPA is one of the world's leading Environment Protection Agencies. We protect and improve the environment, in ways which also create health and well-being benefits and sustainable economic growth. We use unique and innovative approaches and products to successfully deliver these benefits; have skills, expertise and experience across a wide range of relevant disciplines; and have established a formidable reputation as an organisation at the cutting edge of global thinking and practice on sustainability.**

## **OUR EXPERIENCE**

SEPA is a multidisciplinary agency that is internationally recognised with over 20 years' experience in protecting the environment. Trusted to solve a wide range of environmental challenges, SEPA has developed a broad range of capabilities which includes:

- Developing and implementing innovative regulatory frameworks
- Enforcement action to drive legal compliance
- Working with businesses to deliver excellence and innovation
- Working with key industry sectors to improve performance
- Monitoring the state of the natural environment
- Providing forensic science and evidence
- Developing and delivering flood risk management through partnership
- Implementing world-class flood forecasting and warning systems
- Data visualisation and analytics

We employ around 1,300 people across Scotland in a wide variety of roles, from scientists and regulators to economists and digital experts, and apply these skills across many disciplines including freshwater and marine issues, groundwater, air quality, soils, waste and resources, and radioactive substances. Working across specialisms and locations, we ensure that the right skills, knowledge and experience are in place to provide world-class environmental protection.

## **SEPA COMMERCIAL SERVICES**

The world requires increasingly sophisticated solutions to today's complex environmental challenges. We help our clients to address these challenges and to reach the next level of performance.

# REGULATION AND ENFORCEMENT

We know how to make regulatory and enforcement frameworks fit for the 21st century, protecting and improving the environment while also delivering health and well-being benefits and sustainable economic growth. We partner with our clients to help them design and implement innovative regulatory frameworks and operating models that address their environmental challenges.

This includes developing environmental charging schemes; developing enforcement tools, including fixed and variable monetary penalties, and voluntary undertakings; environmental permitting; compliance assessment; evidence and intelligence; and regulatory monitoring and inspection.



## REGULATION

Developing and implementing innovative regulatory frameworks



## ENFORCEMENT

Enforcement action to drive legal compliance





We know regulatory compliance alone will not enable our clients to fully grasp the sustainability opportunities of the world today. We have extensive experience in working constructively with individual operators and industry sectors, as partners. We guide operators and sectors towards long term prosperity through realising the economic and environmental benefits of going beyond compliance. We have extensive experience of working with the food and drink, agricultural, and manufacturing sectors. Using this experience we help our public sector clients build prosperous relationships and partnerships with business to ensure that the full economic and reputational benefits of leading environmental practice are realised.

# BEYOND COMPLIANCE: A PLANET IN PROSPERITY



## PERFORMANCE

Working with key industry sectors to improve performance



## INNOVATION

Working with businesses to deliver excellence and innovation

# FLOOD RISK MANAGEMENT, FORECASTING AND WARNING

Climate change has made the threat of flooding a global priority. Our skills can help deliver flood risk management more effectively at both strategic and local levels, reducing the risks, impacts and costs of flooding. As Scotland's national hydrometric, flood risk management, and flood forecasting and warning authority, we have an international reputation for our skills and experience in managing the risks and impacts of flooding in urban and rural areas. Core components

of our expertise include flood risk assessment, flood risk management strategy development, climate change adaptation, land use planning and natural flood management. In addition, SEPA has developed tools and services in topographical survey techniques, flood inundation mapping, direct flood warning systems, automated flood warning systems, flood warning systems at household level, surface water flooding, flood modelling, and coastal flooding.



## WORLD-CLASS

Implementing world-class flood forecasting and warning systems



### MONITORING

Monitoring the state of the natural environment



### EVIDENCE

Providing forensic science and evidence

# ENVIRONMENTAL MONITORING AND SCIENTIFIC SERVICES

Our scientific expertise can help our clients to monitor the state of the environment, and assess the impacts of measures undertaken to improve environmental quality. We operate two first-class forensic laboratories, providing a range of laboratory and field analytical capabilities for gaseous, liquid and solid samples, and ecological status, from aquatic and terrestrial environmental media. Many of our

analytical capabilities are accredited to ISO 17025 by the United Kingdom Accreditation Service (UKAS) and are subject to an extensive and rigorous internal and external audit programme. We also operate a fleet of customised in-shore and off-shore survey vessels which can be deployed to undertake sampling and monitoring anywhere in Scotland.

# CATCHMENT SCALE SOLUTIONS



## PARTNERSHIP

Developing and  
delivering catchment  
scale solutions  
through partnership

Our work in successfully implementing the EU Water Framework Directive has put SEPA at the forefront of catchment management planning, and attracted recognition from the European Commission and beyond. SEPA is responsible for delivery of Scotland's River Basin Management Plans and associated objectives and measures. This includes: evidence-based prioritisation,

co-ordination of delivery partners, specification of catchment projects, and collaborative action to address diffuse pollution, as well as monitoring against targets. Our expertise helps our clients to develop catchment level plans, measures to improve ecological status, deliver through partnership, and successfully address more difficult impacts such as diffuse pollution.





We help our clients put environmental information and evidence at the heart of their decision making. We have experience and expertise in data modelling, manipulation and presentation, for example through the 'Spotfire' tool and the award-winning 'Scotland's Environment' website. We are able to apply our expertise to our clients' data, adding value through expert modelling, analysis and presentation, and facilitating meaningful access to data from multiple sources through a partnership web portal.

# DATA INSIGHT AND VISUALISATION



## ANALYSE

Data visualisation and analytics

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**Sustainable Development Goals**



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