

Radiation Protection Adviser (RPA) Services for Radon

Radioactive radon gas is a naturally occurring invisible hazard in many homes and workplaces. According to the World Health Organization, it is one of the leading causes of lung cancer.

Reference: <https://www.who.int/news-room/fact-sheets/detail/radon-and-health>



The UK has been widely surveyed and areas where over 1% of homes are estimated to have radon levels exceeding 200 Bq/m³ have been defined as radon-affected areas.

Above-ground workplaces may have elevated radon levels if located in a radon affected area. The risk is especially high for poorly-ventilated areas.

In addition, underground work areas (e.g. basements, mines, caves, service ducts) may have high radon levels due to reduced ventilation, even if they are not located in radon-affected areas.

Employers' Responsibilities

Under the UK Health and Safety at Work etc. Act 1974, UK employers must, so far as is reasonably practicable, ensure the health and safety of employees and others who have access to their work environment.

The UK Management of Health and Safety at Work Regulations 1999 require the assessment of health and safety risks. This should include assessing the risk due to radon, by means of radon measurements, in:

1. Above-ground workplaces located in a radon-affected area
2. Below-ground workplaces which are occupied for over 50 hours per year, or those containing an open water source.

Employers have a responsibility to assess health and safety risks for all their employees, including hybrid and home workers.

The UK's Ionising Radiations Regulations 2017 (IRR17), enforced by the [UK Health & Safety Executive](#) (HSE), come into effect for any work carried out in an atmosphere containing radon at an annual average activity concentration exceeding 300 Bq/m³.

In this situation, employers are required to restrict the radiation exposure to their employees and should appoint and consult a qualified Radiation Protection Adviser (RPA).

Our Services

Amentum has a Corporate RPA Body [accredited by the HSE](#) and able to offer expert radiation protection advice to UK companies. Amentum will help you to fulfil your legal responsibility to provide a safe workplace for your employees by offering:

- Advice on radon detector placement and implementing radon monitoring programmes
- Radon radiation risk assessments, including assessment of radiation dose due to exposure to radon gas
- Employee information sheets detailing key working instructions to restrict radiation exposure
- Radiation awareness training

- HSE notification support
- Ongoing radon risk verification and management

Our Experience

At Amentum, we have ample experience providing radiation protection adviser support to a wide variety of clients with premises in radon affected areas; including schools, small businesses and big companies with large property portfolios.

We are committed to providing high quality support to our clients and are members of the [UK Radon Association](#). Our proven experience developing bespoke solutions to tackle our customers' unique challenges includes:

- A dose tracking tool to demonstrate restriction of exposure for a large workforce operating in a wide variety of areas with elevated radon levels
- Tailor-made radon awareness training for a charity with elevated radon levels on their property
- Radon policy documents for a school with radon remediation measures in place

Contact

To discuss your RPA requirements in confidence or for more information on the applicability to your business or premises, please contact:

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The Amentum UK RPA team is only accredited to provide advice under UK Regulations.

