Health physics instrumentation
Health physics services
Nutronic was founded in 1996 with a vision to develop time-saving and user-friendly instrumentation for health physics (radiation protection) measurements. The first product was the NT200 smear test instrument with the unique pass-through sample holder. The NT200 has been sold in hundreds of units to our customers in Sweden, France, Great Britain, Italy, China and Germany. Several other instruments with a focus on health physics measurements have been developed over the years, including the NT900 low level sample counter that measures 12 samples at the same time, the NT170 that measures large smear wipes (170 x 170 mm) and NT400, a network connected camera surveillance system with integrated dose rate measurement.

Nutronic also undertakes maintenance and calibration services at our facilities in Gävle or on site at the customer’s premises. We also offer consultancy services to assist our customers with major health physics instrumentation procurement.

**Products**

- Health physics (radiation protection) measuring instruments
- Logging and network connected instruments
- Custom solutions

**Services**

- Maintenance of all types of health physics instruments
- Experienced service staff
- Health physics instrument calibration
- Education in health physics instrument theory and practice
- Procurement consultancy
Nutronic Nuclear Services was founded in 2008 to offer high quality health physics services, cleanup and decontamination services and services related to decommissioning of nuclear facilities. We offer skilled staff with national and international experience from all categories in health physics.

**Health physics services**

- Personnel for refuelling outages
- Personnel at dismantling and decommissioning projects
- Operational management
- Clearance measurements
- Long term staffing of health physics positions
- Project management

**Decontamination services**

We offer decontamination services carried out by personnel working in close co-operation with the customer’s health physics staff. Our personnel have experience in decontamination, clearance measurements and industrial cleanup of nuclear sites.

**Gamma spectroscopy with ISOCS modelling**

With our germanium detectors and ISOCS-system we can do in-situ gamma spectroscopy. Canberra ISOCS *(In Situ Object Counting System)* gives us the ability to produce accurate qualitative and quantitative gamma assays of most any sample type and size. Our specially trained personnel will measure the object and then analyse and document the results.
Customers and references

Sweden
- Barsebäck, Forsmark, OKG, Ringhals, Studsvik, WesDyne TRC

Finland
- Loviisa, TVO

France
- All 59 nuclear power plants
- Close cooperation with MGP Instruments

Great Britain
- Sizewell B

Italy
- Comando Provinciale Vigili del Fuoco di Roma (Rome fire brigade)
- SOGIN S.P.A. (Decommissioning of nuclear sites)

Hong Kong
- Hong Kong Observatory

China
- Qinshan 2

Prequalification
Nutronic is prequalified by Sellhica as supplier to the nordic power industry.

Professions
- Health physics personnel:
  Sweden: Category A, B, C and Project leader.
  Canada: Experience from Greenman work (OPG)
- Health physics project management
- Decontamination personnel
- Instrument maintenance and calibration
- Development engineers for electronics
- Development engineers for mechanics
- Computer engineers
- Production staff for instrument manufacturing

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