

Small facilities

IDN

Types of small facilities

- Medical facilities (radiotherapy, Brachetherapy,...)
- Industrial facilities using sealed sources (irradiators)
- **Research facilities** (low and zero power reactor, critical and subcritical, neutron generators)
- **Hot cells**
- Teaching, research and analytical labs, chemistry, physics, engineering, medicine, biology, ...)
- Facilities with small cyclotrons and particle accelerators for production of radionuclides

Possession and handling is controlled in most MS by a competent authority that issues license or similar authorization

It is recognized that owners of small facilities may not have large resources, organization nor technical competences to draw upon D and D, they use the facility as a tool

In fact technological difficulties are relatively smaller than in nuclear facilities (NPP, fuel cycle facilities, research reactors)

D and D activities

The owner of small facility balanced
between:

Developing own technical capabilities /
Contracting

D and D activities

- Record keeping
- D and D strategy/methodology
- Project planning
- Project management
- QA
- Radiological characterization
- Cost estimating (methodology to assess costs)
- Technologies (decontamination, demolition, cutting, etc...)
- Waste management
- Site remediation/building reuse

Proposals

To be discussed

- in Europe (hot cells in Belgium?)
- in Asia (hot cells, glove boxes in Japan?)
- in Latin America/Caribbean (medical facilities, irradiators, ...???)