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# Strategic Safety Improvement Program at Belgoproces

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- Introduction
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# Introduction

- Nuclear operator of the centralised facilities for radioactive waste processing & storage in Belgium
- Decontamination and decommissioning, site remediation
- Know-how



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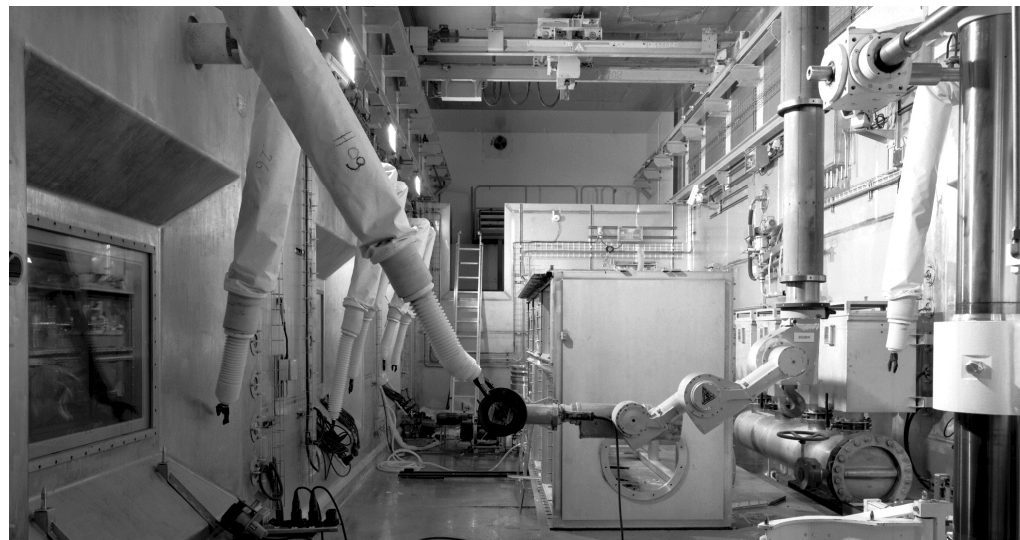
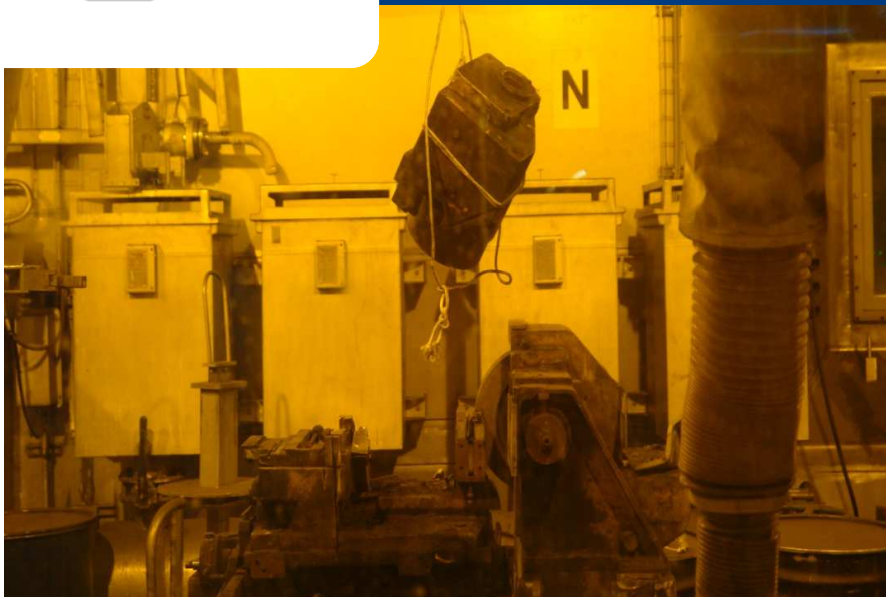
# LLW treatment



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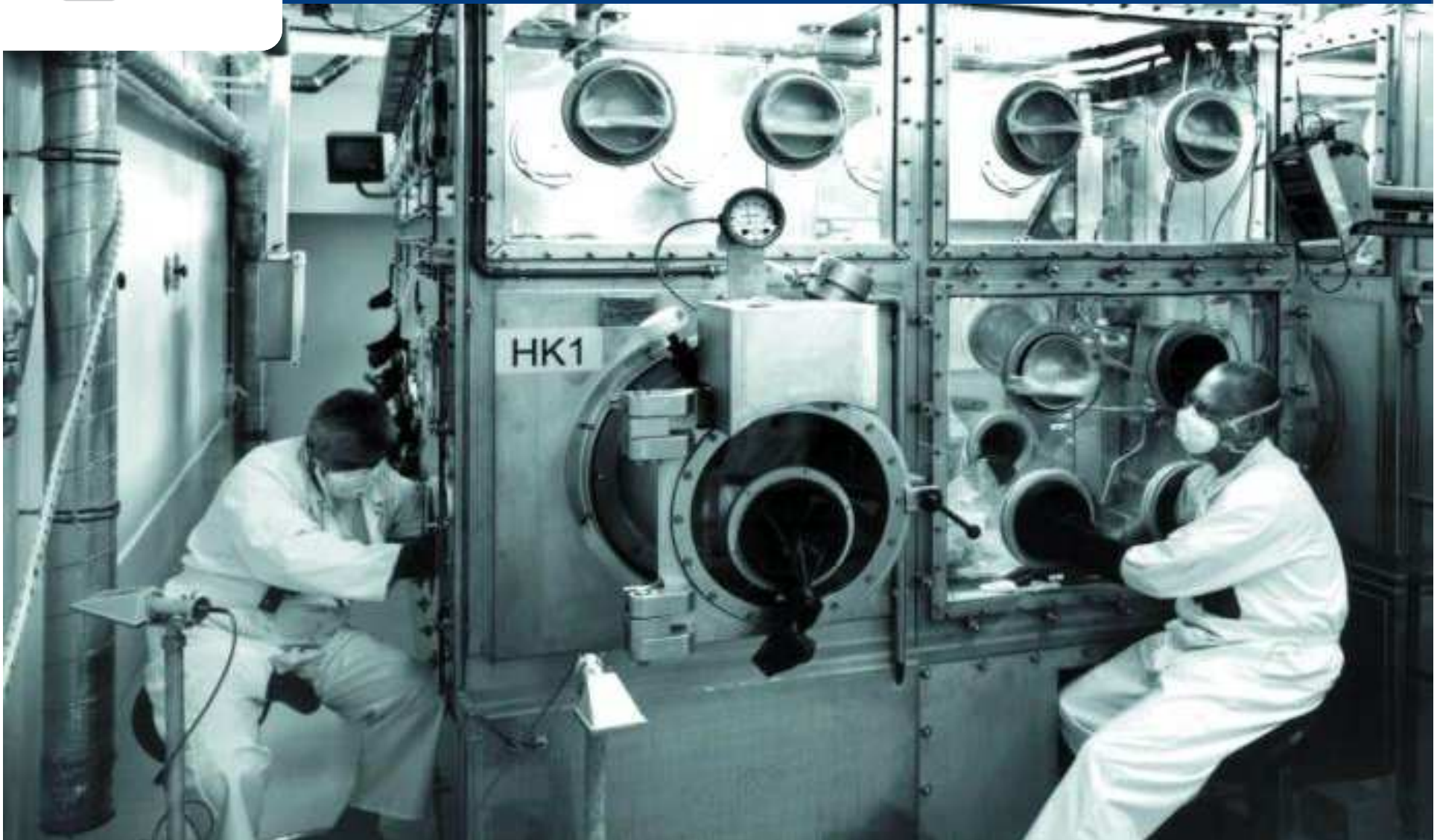
# HLW treatment



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# Alpha waste treatment



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# Organic waste treatment





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# Liquid waste treatment



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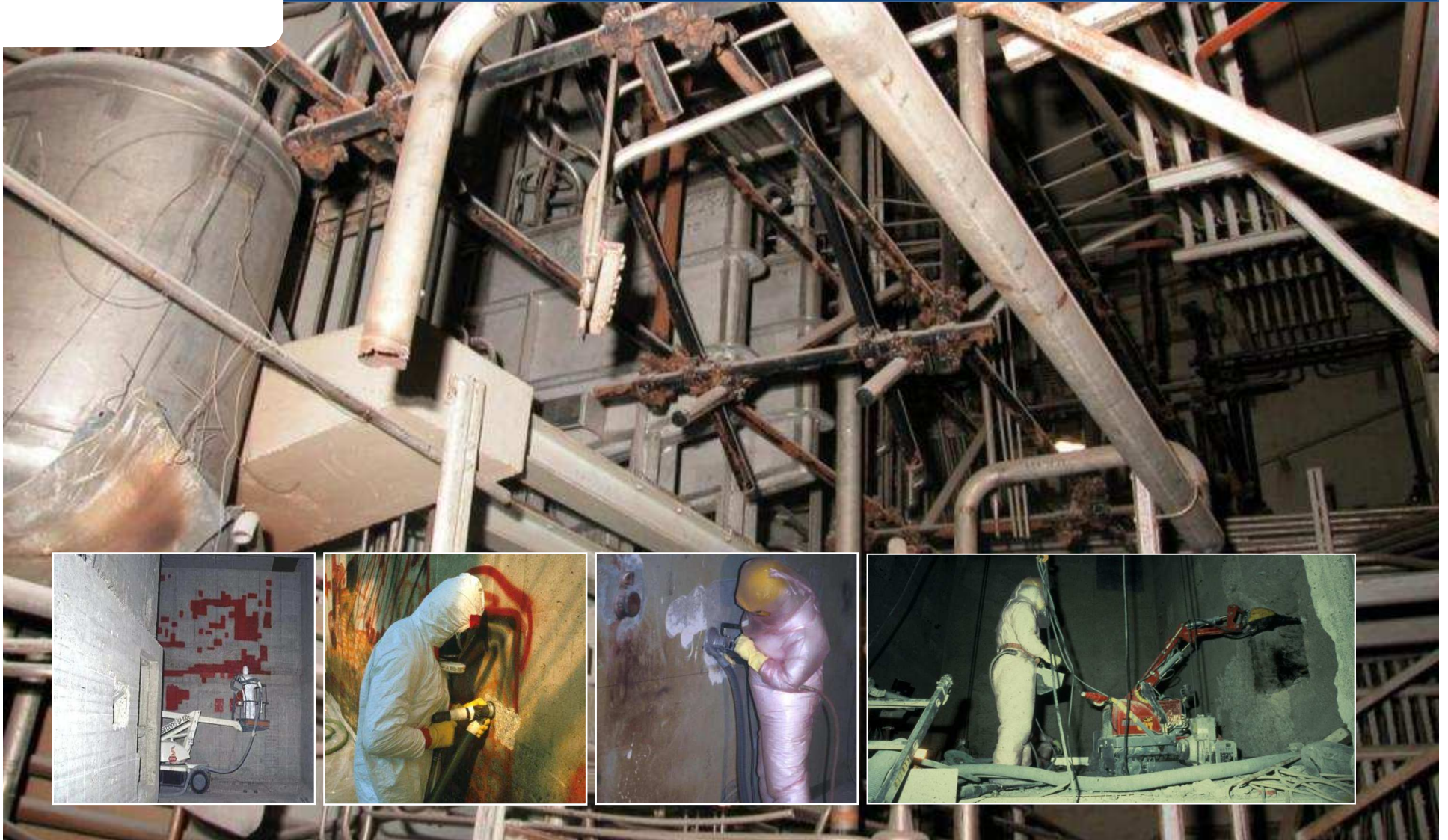
# Waste storage



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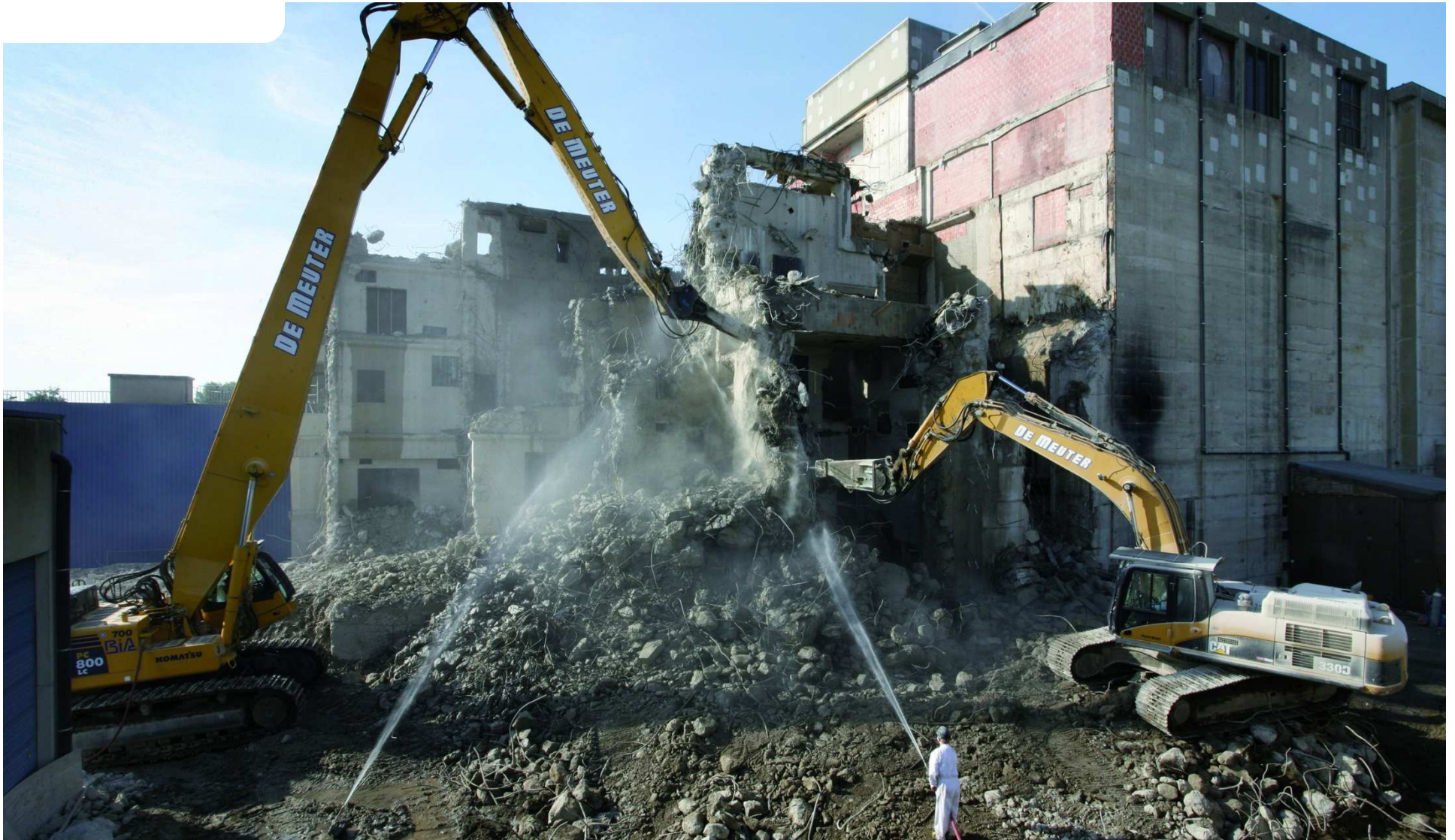
# Decommissioning



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# Decommissioning



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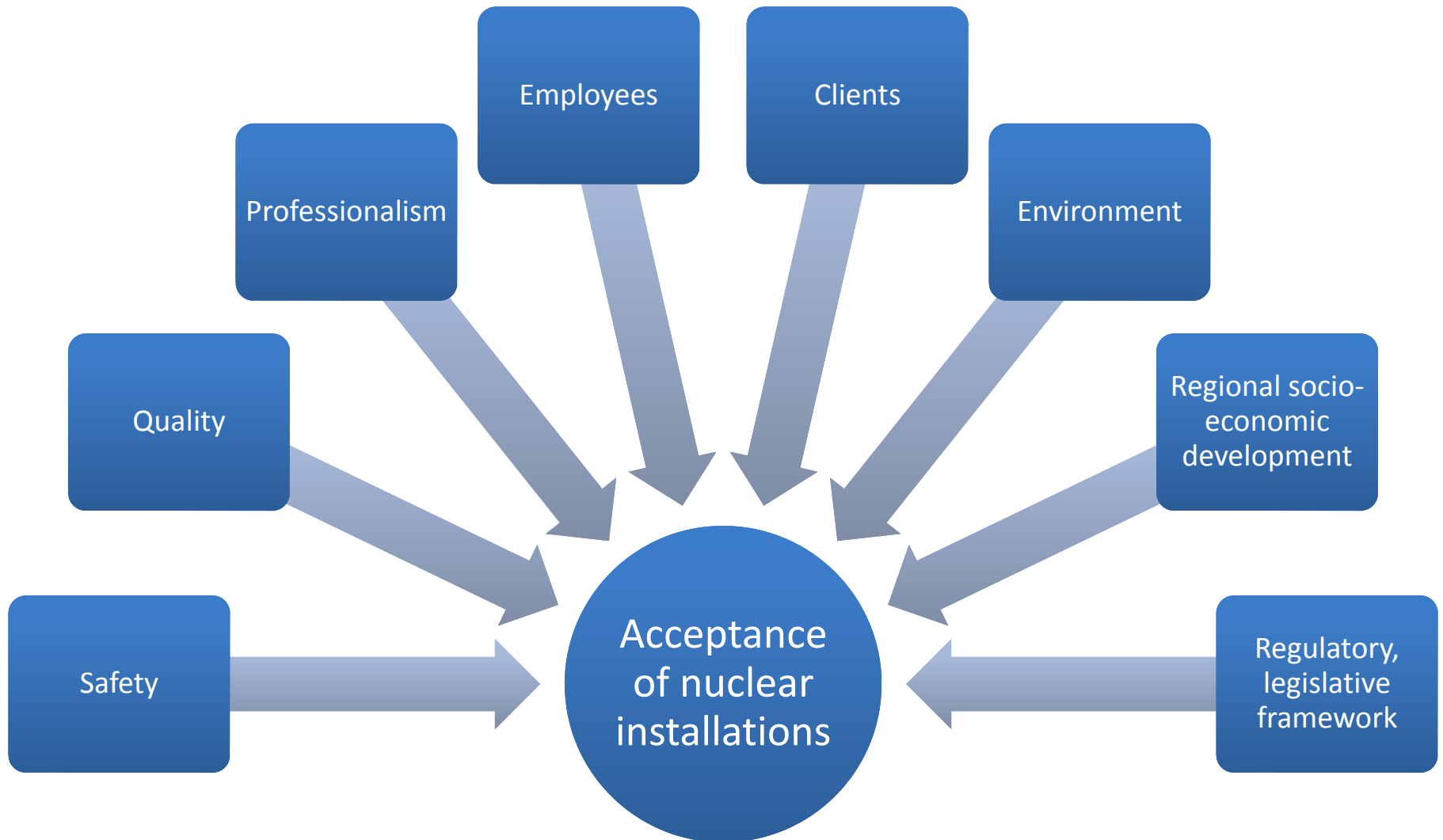


# Decontamination & material handling





# Mission



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# Integrated Quality, Safety & Environment policy

- Create safe and healthy work environment
  - Nuclear and conventional
- Consider environment
  - Aim for 'zero emissions'
- Quality standards
- ALARA

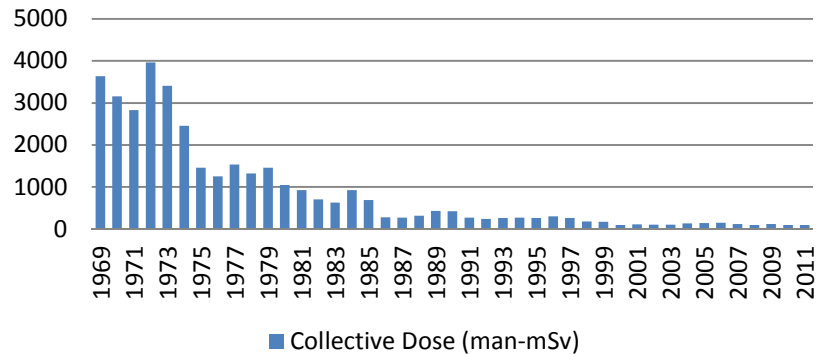


continuously improve quality, safety and environment with direct involvement of all employees and accompanied by strong and active management

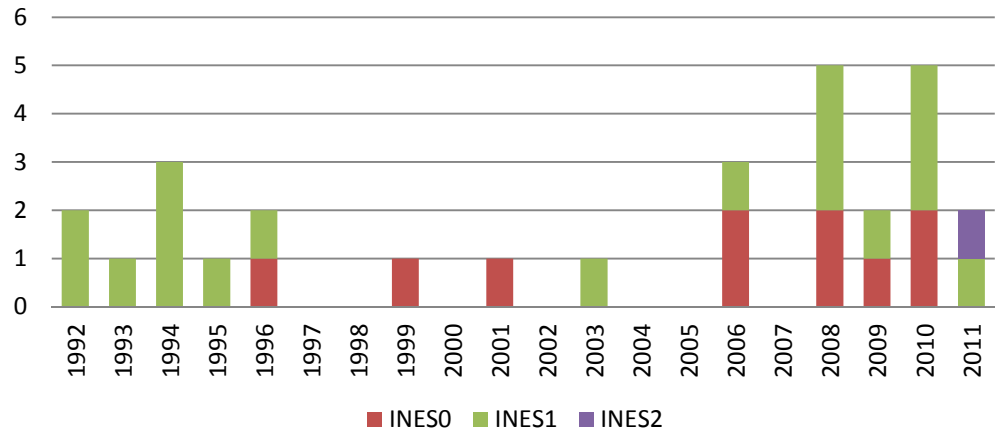


# Safety records

**Collective Dose for workers (man-mSv/year)**



**INES Events (number/year)**

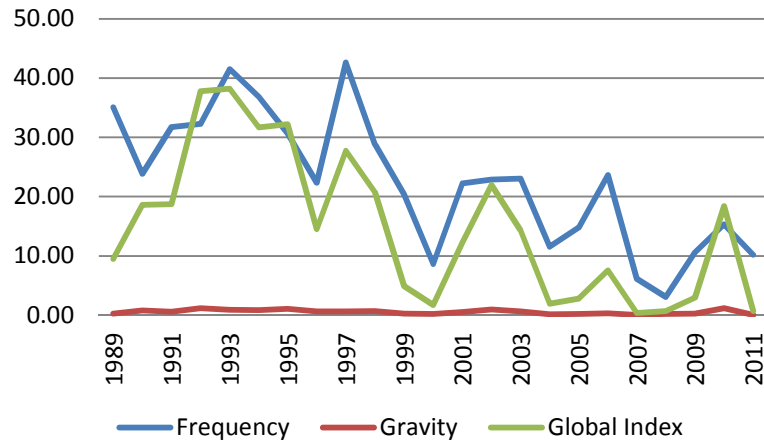




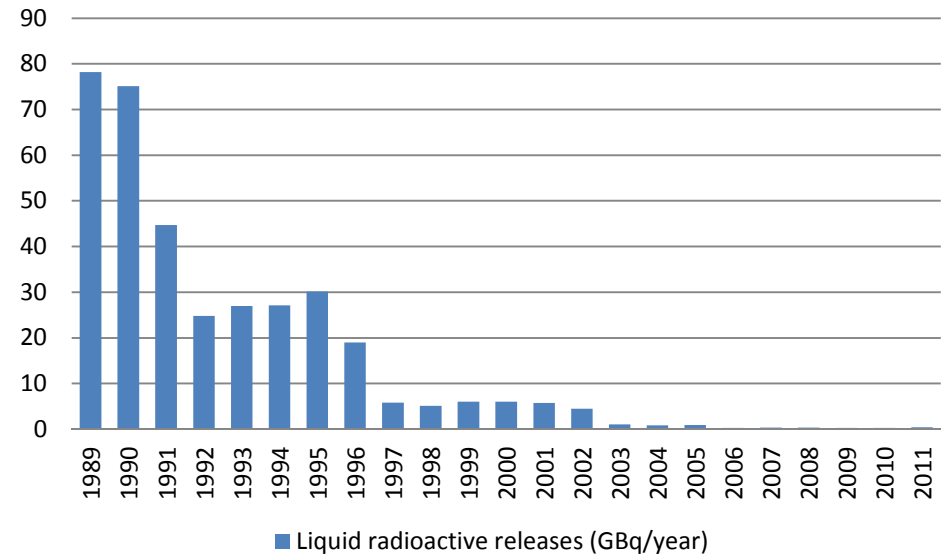


# Safety records

**Accidents (Frequency – Gravity – Global Index) /year**



**Liquid radioactive releases (GBq/year)**



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# Integrated Management System

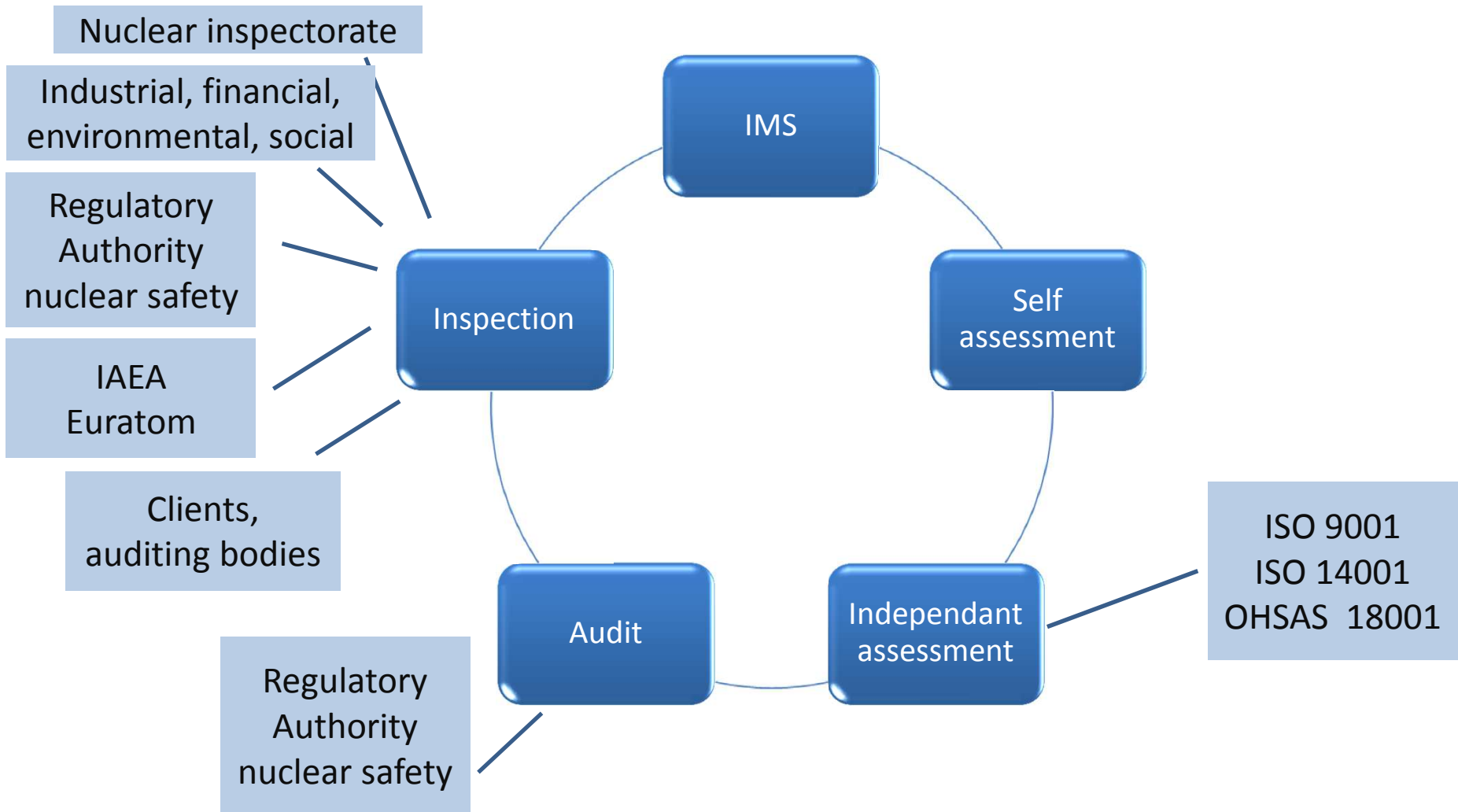
- Organization structure, responsibilities, processes, process descriptions,...
- In accordance with international standards
  - ISO-9001, ISO-14001, OHSAS-18001, ISO 17025
- Seeks full compliance with IAEA-GS-R-3



promote and support strong safety culture



# Safety Assessment





# Belgoprocess (self) assessment

- GAP analysis existing IMS at Belgoprocess and IAEA-GS-R-3 “Management system for facilities and activities”
  - Through audit Belgian Nuclear Safety Authority
- Root-cause analysis
- Corrective action plans
  - Clustered in company-wide projects
  - Business plan
- 35 projects organized in 6 domains

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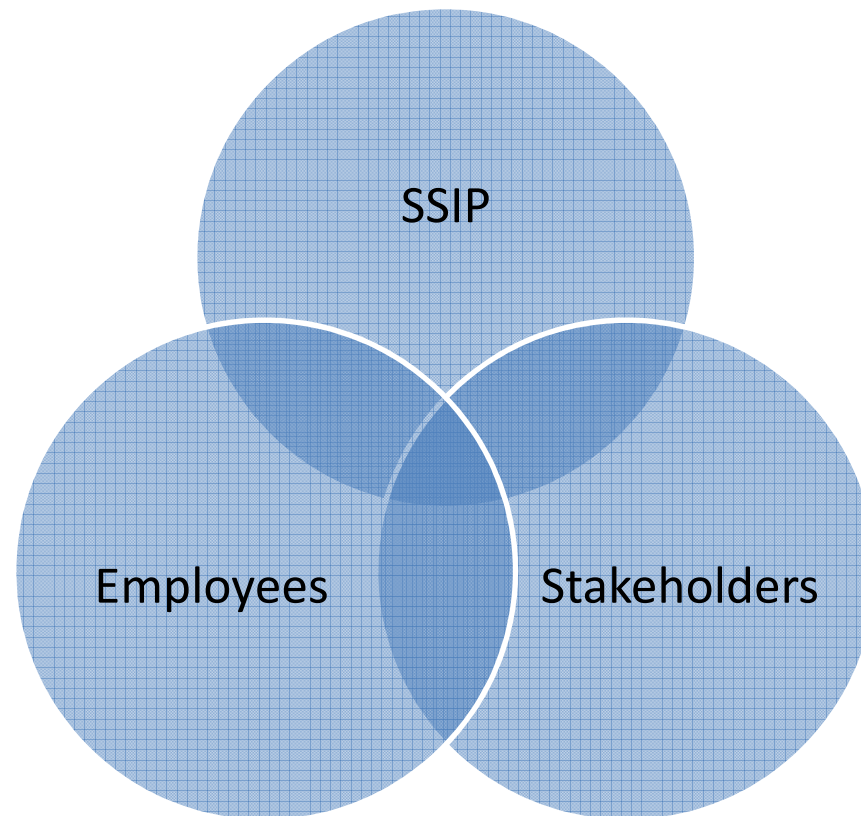


# Strategic Safety Improvement Program





# Reflexions



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