



**8th edition of the International Summer School
on Nuclear Decommissioning and Waste Management**

Sogin

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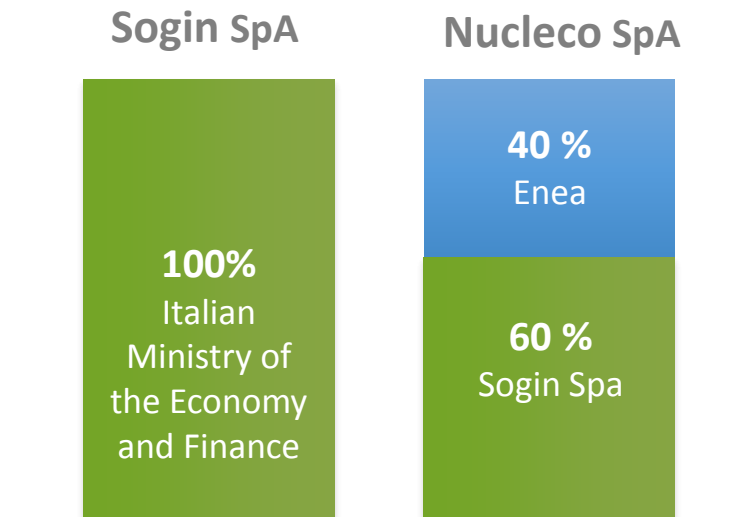
SOGIN GROUP

- Sogin is the Italian public company responsible for the decommissioning of Italian nuclear plants and for the management of radioactive waste
- Sogin is involved in the siting, designing, building and operating of the National Repository and the Technology Park for radioactive waste





Sogin has been operating since 2001. It became a Group in 2004 through the acquisition of the majority stake (60%) of Nucleco SpA, the national operator responsible for collecting, treating, conditioning, temporary storage of radioactive waste and nuclear sources from medicine and scientific and technological research activities



PEOPLE

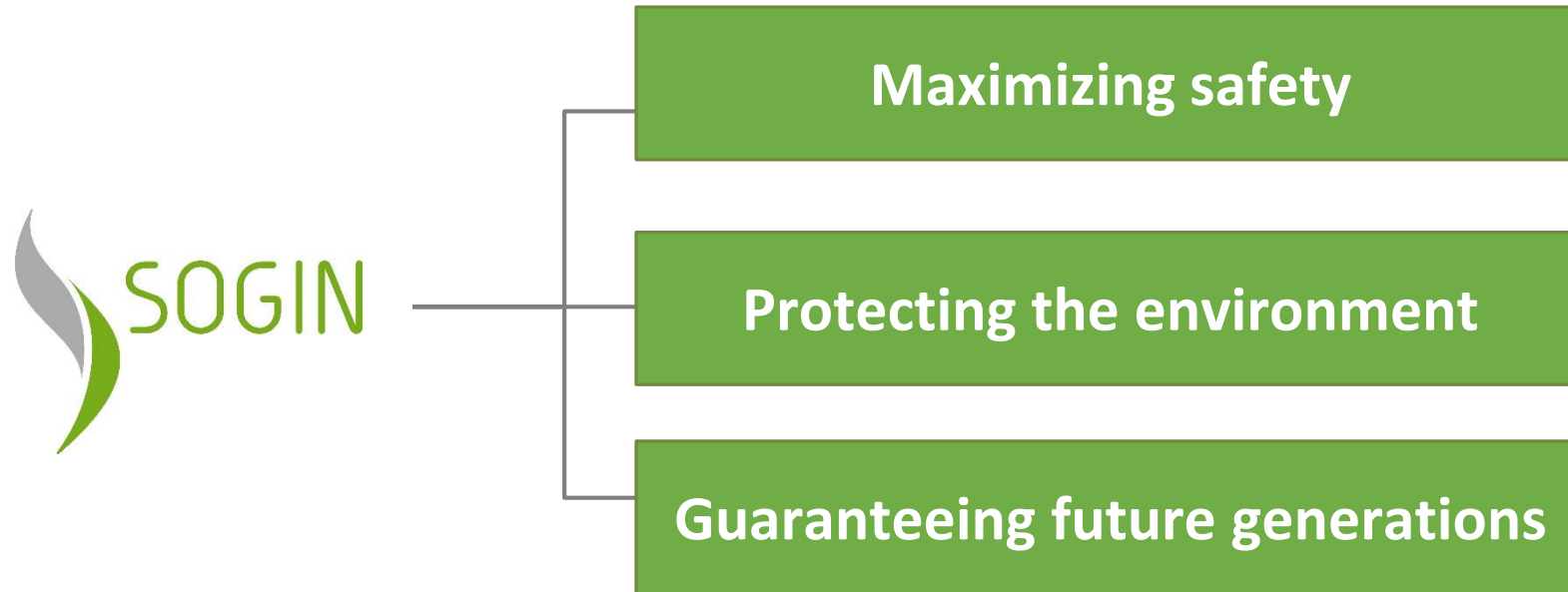
- The over 1,000 employees of the Group are selected and trained according to levels of excellence. They include nuclear, civil, mechanical, chemical and environmental engineers, physicists, geologists, radiation protection and materials science experts, biologists
- They constitute the most highly skilled source of professional expertise in the management of radioactive waste and decommissioning of nuclear power plants in Italy



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OUTLINE

VISION



GUARANTEES AND FINANCING

- Systematic controls and inspections by Italian State institutions and competent Local Authorities
- Specific licensing process, based on nuclear safety, radiation protection and environmental compatibility criteria aligned to the most demanding worldwide

Financing of the activities is assured by an electricity tariff fee



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DECOMMISSIONING OF NUCLEAR PLANTS IN ITALY

SOGIN SITES IN DECOMMISSIONING



Nuclear Power Plants

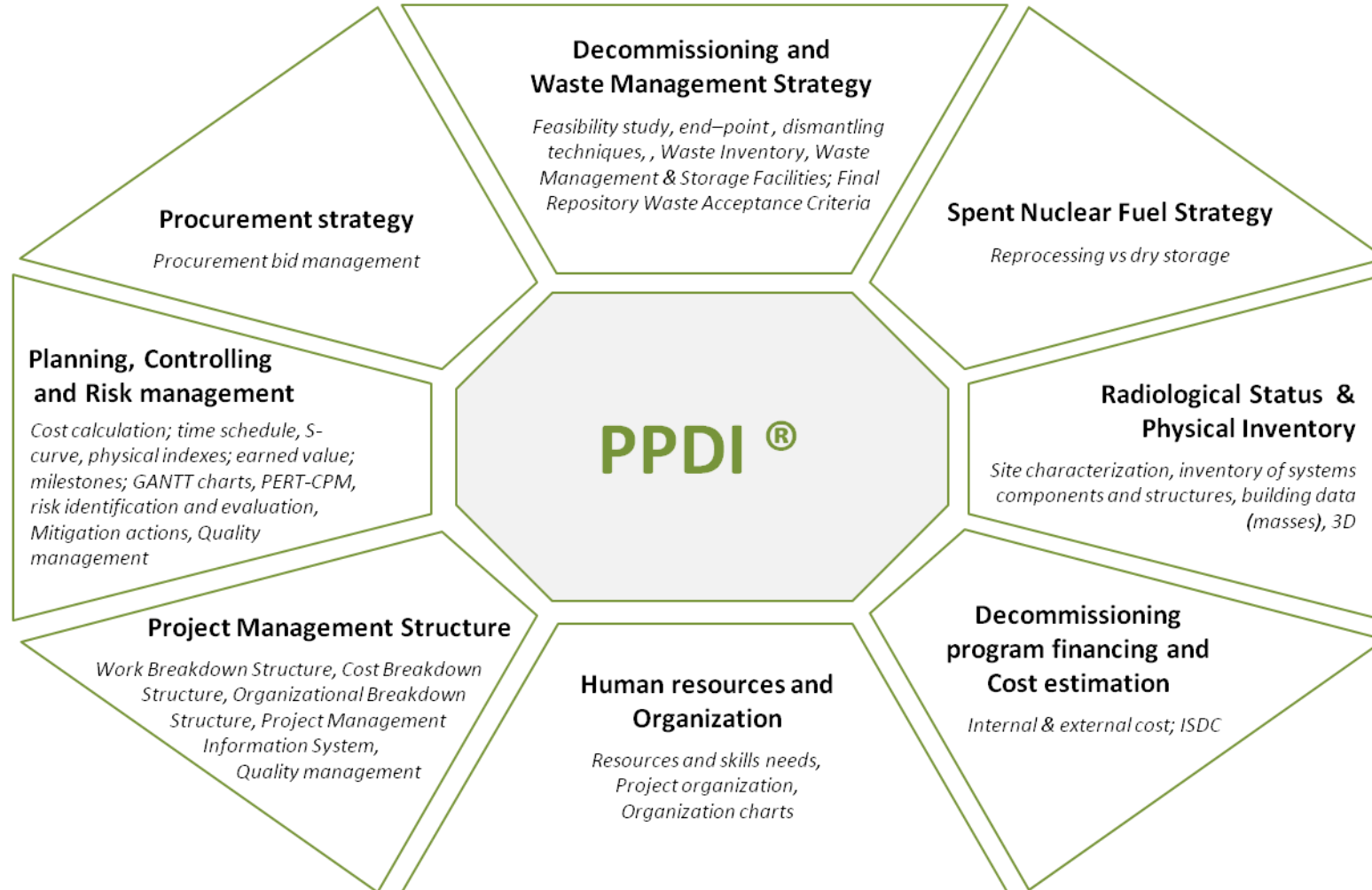


Nuclear Fuel Cycle Research Centers
& the FN Nuclear Fuel Fabrication
Plant

PPDI® - Physical Progress Decommissioning Index



A comprehensive approach based on international standards and over 20 years experience on 4 NPP (3 different technologies)



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NATIONAL REPOSITORY AND TECHNOLOGY PARK

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Law No. 31 of 2010 entrusted Sogin with the task of siting, designing, building and operating the National Repository and Technology Park

Its implementation is an essential element to achieve the 'greenfield' status, eliminating all constraints related to radiation, and to manage all radioactive waste, including that produced by industrial, research and nuclear medicine activities

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DECOMMISSIONING OF NUCLEAR PLANTS WORLDWIDE

THE GLOBAL DECOMMISSIONING MARKET

About 200 of the 434 nuclear reactors that were operational at the end of 2013 will be closed by 2040

The International Energy Agency has estimated that the cost of international nuclear decommissioning will be greater than 100 billion dollars



THE GLOBAL DECOMMISSIONING MARKET



In Italy Sogin is dismantling all 3 major types of reactors that have been adopted at a global level and that are or will be in decommissioning in the coming decades

- PWR (Trino)
- BWR (Caorso and Garigliano)
- Magnox (Latina)

Sogin also manages the dismantling of former research and fuel cycle facilities

In the future the dismantling activities related to these facilities will have a significant economic value, equal to about half of the NPP decommissioning

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RELATIONSHIP WITH STAKEHOLDERS AND SPECIALIST TRAINING

RELATIONSHIP WITH STAKEHOLDERS

- 3 fundamental drivers for Sogin's relationship with stakeholders

Information

Transparency

Involvement

- Implementation tools
 - Sustainability Report
 - Stakeholder Engagement

- Policy of membership in the main industry associations

RADWASTE MANAGEMENT SCHOOL



The School has the objective of:

- ensuring the **professional development** of human resources in the field of decommissioning and radioactive waste management
- ensuring the development, dissemination and consolidation of a safety and environmental **protection culture**
- being a **reference point** for national and international industry communities, stakeholders and also groups of interests as well as citizens and associations

The School has a training offer that includes, in addition to the radiation protection aspects and overall management of radioactive waste, conventional safety and environmental compatibility management

The courses are also provided to external parties, in order to give technical knowledge both basic and advanced

We protect the present
We guarantee the future