High Flux Reactor Ageing Management Program

L. Stefanini IAEA Technical Meeting on Research Reactor Ageing Management, 31st May – 4th June



Nuclear. For life.



Introduction – the HFR



First criticality 1961

Power: 45 MWth

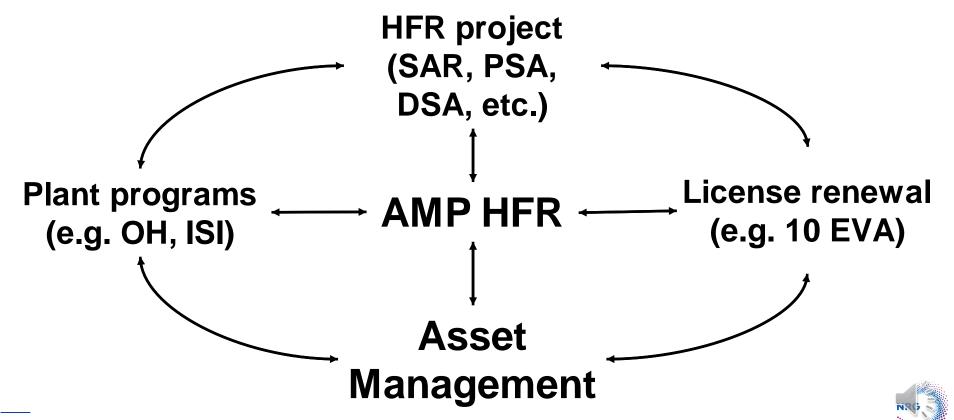
Uses:

- Medical isotopes production
 - Silicon doping
 - Materials irradiation
 - Nuclear R&D

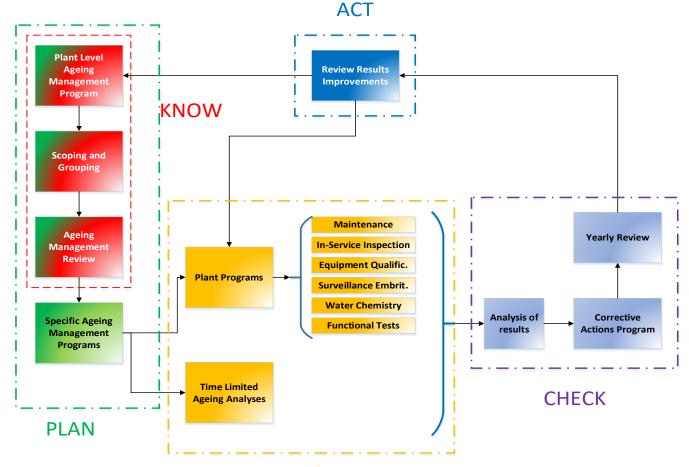
Strategic importance =
HFR must continue its operations



Ageing Management Program at HFR



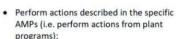
Ageing Management Program at HFR



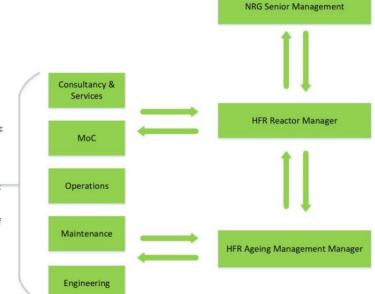




Ageing Management Program at HFR



- Conduct day to day activities of ageing management programs;
- Recommend major ageing management actions;
- · Identify major ageing degradations;
- Report indicators of the effectiveness of AMPs.
- Keep equipment fit for purpose.



 Provide commitment to implement Ageing Management for the facilities

- · Provide required resources;
- Specify high level objectives and responsibilities;
- Approve major Ageing Management actions.
- Report to HFR Reactor Manager;
- Perform continuous ageing management review;
- Develop/improve specific AMPs;
- Perform R&D;
- Follow development of standards;
- Co-ordinate relevant programs, projects and processes;
- Organize interactions between relevant programs, processes and projects;
- · Review major ageing management issue
- · Interact with regulatory body;
- Recommend effectiveness indicators and perform effectiveness self-assessment;
- · Keep scope up to date;
- Keep documentation up to date;
- Ensure improvements are timely performed.

