

4. The Life Cycle Management of a Nuclear Power Plant



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Výuka jazyků
prostřednictvím ICT

CZ.1.07/1.1.10/03.0026

The Life Cycle Management of a Nuclear Power Plant

Long-term nature of a nuclear power plant requires the adoption of a similarly long-term approach to the consequences of decision making.



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The Life Cycle Management of a Nuclear Power Plant

Managing the life cycle stages of a nuclear power plant involves decisions that create a balance between:

- safe operation, and
- stewardship of assets

The Life Cycle Management of a Nuclear Power Plant

This requires understanding of:

- life cycle stages
- mission of the owners
- political and economic environment
- long term strategic direction
- ability to assess the impact of decisions taken

The Life Cycle Management of a Nuclear Power Plant

What is Life Cycle Management?

safety management
+
ageing management
+
business management decisions
+
economic considerations

The Life Cycle Management of a Nuclear Power Plant

What period of time is considered to be a NPP's life cycle?

That period of time that covers all stages from design through to decommissioning, including recovery of the site and the disposal of fuel and waste.