

# GIS Nuclear Decommissioning Scheduling Tool

Simplifying planning for nuclear decommissioning

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## Abstract

Planning for nuclear decommissioning can be complicated with a whole host of different aspects having to be taken into account. To simplify this process, a GIS Nuclear Decommissioning Scheduling Tool has been developed which allows for a range of user defined decommissioning scenarios to be prepared based on site specific decommissioning works, waste arisings, technical constraints and costings. Once the site specific scenarios are developed, the user can:

- ✓ See the costs, time required and wastes generated for each of the decommissioning scenarios;
- ✓ Qualify and characterise wastes generated as an inbuilt function;
- ✓ Visualise various decommissioning scenarios through an automated series of GIS site maps;
- ✓ Identify potential conflicts of site activities with decommissioning to support overall decommissioning scheduling;
- ✓ Generate results relating to sustainability targets for each scenario including CO2 emissions, fuel consumption, truck movements and recycling rates; and,
- ✓ Easily share the results of the tool with colleagues since the tool can be web-based (with applicable security settings).

The tool draws on generic, common software such as Primavera project scheduling, GIS mapping and database management, and can be managed either on site or remotely with several sites sharing the same programming.