

HUMAN-CENTRED TECHNOLOGIES



3D ALARA Planning & Briefing

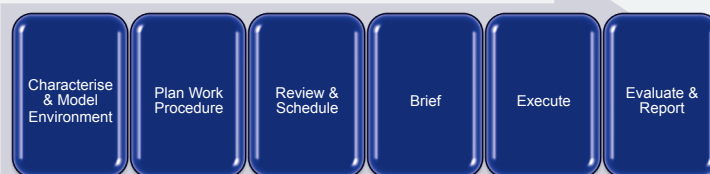
HVRC VRdose® is a real-time software tool for

- Radiological modelling & characterising nuclear environments
- Planning sequences of activities in modelled environments
- Optimising protection against radiation
- Producing job plan reports with dose estimates

The VRdose Planner supports near real-time calculation of shielding effects, doses, and relative contributions to dose by different isotopes, enabling the rapid evaluation of alternative protection optimisation or maintenance procedure scenarios.

To support the user in interpreting the results of calculations, the VRdose planner provides charts, graphs, and 3D radiation visualisation, updated immediately to reflect any changes to the modelled radiological condition, such as changing shielding materials, and human activities over time.

The software supports the activities in a typical radiological protection planning, optimisation and monitoring workflow:



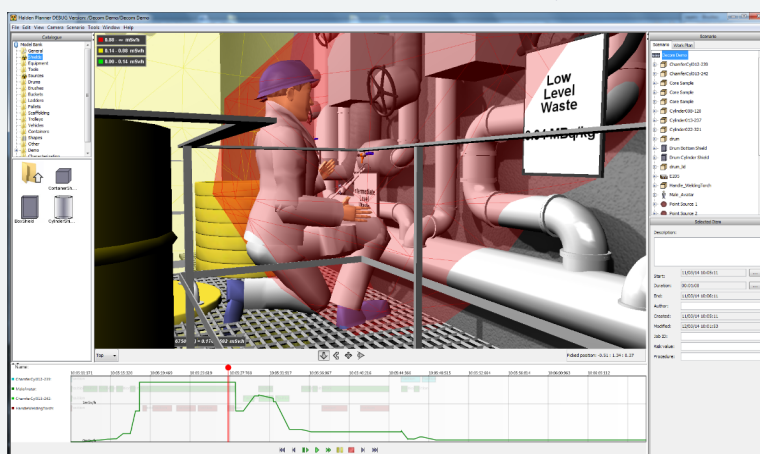
Applications

- Preparation for jobs in radiological environments
- Preparation of work permit requests and preparation of radiological work permits
- Briefing of staff, contractors, and other stakeholders
- Post-job analysis and reporting
- Education and training in radiation protection and ALARA mindset
- Testing and visually assessing the results of new dose calculation models

System Requirements

Minimum recommended:

- Intel Core i5 x64 Processor
- 6GB RAM
- Windows 10 64-bit
- Discrete GPU
- Three button mouse



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Radiation Protection Optimisation

HVRC VRdose®