

Plans for decommissioning of a hot cell facility inside a building with operating laboratories

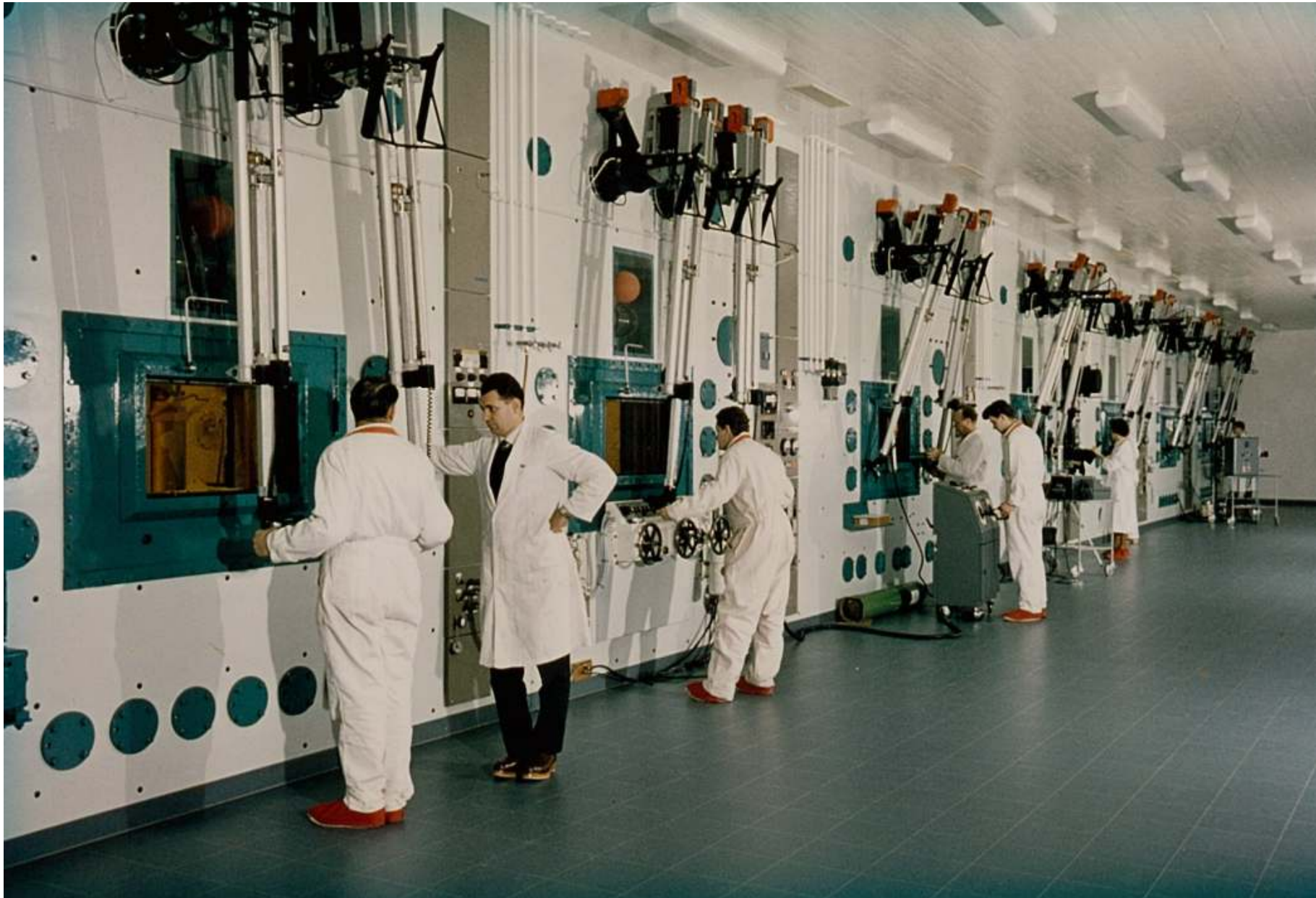
Niels E. Strufe & Kurt Lauridsen
Danish Decommissioning

International Decommissioning Network Forum
IAEA, Vienna 3-5 November 2008

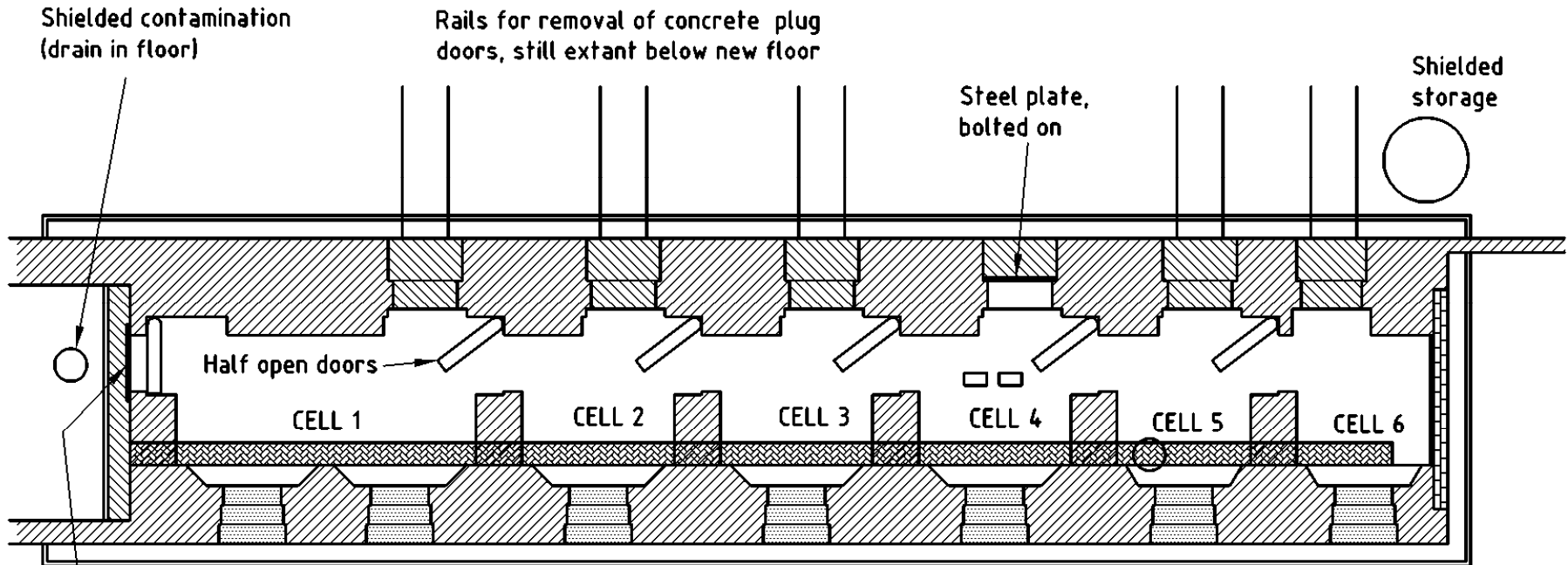


DANISH DECOMMISSIONING

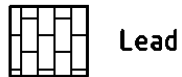
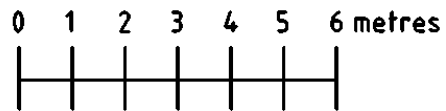
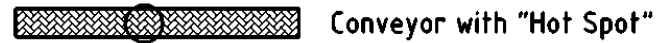
Work at the cell front



Horizontal cross section



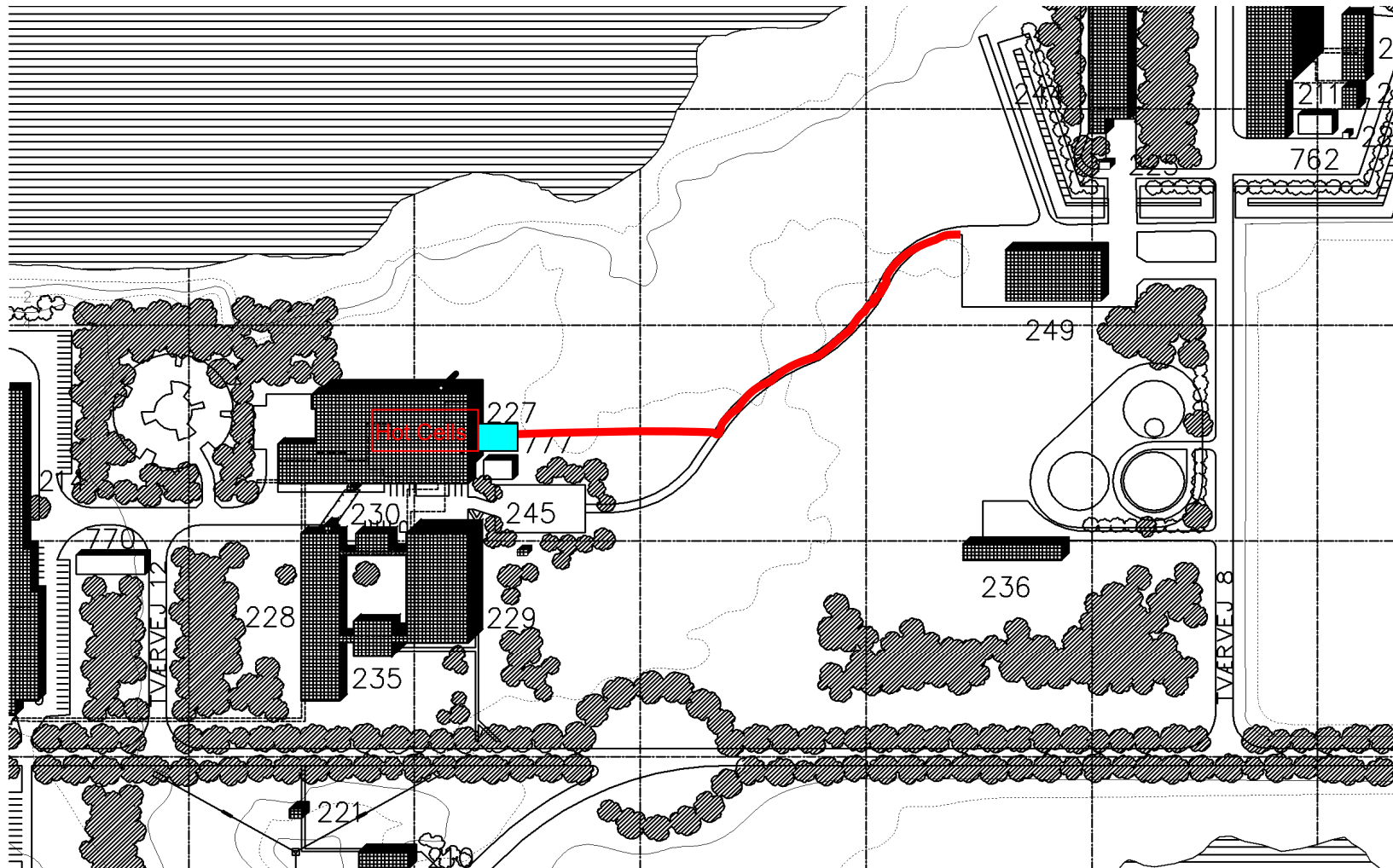
Steel plate, bolted on



Hot cells – ground floor



-  = Access road between Hot Cells and intermediate waste storage hall
-  = Airlock for Hot Cells



The challenges

- α - activity
- γ - dose rates $\sim 0.1 - 9$ mSv/h
- Limited space for decommissioning operations
- Access difficult
- Risø-laboratories, offices and staff all around DD's working area
- Need for the establishment of a new ventilation system and containment
- Somewhat limited knowledge about the current state of the cells



General work schedule

1. Establishment of work areas, including an airlock and an access road at the end of the building
 2. Initial decontamination of the cells by remotely controlled grit blasting
 3. Entry into the cells for further decontamination
 4. Removal of contaminated items from the cell top
 5. Clearance measurements of the cells, including final decontamination
- Continuously: **information to the "neighbours"**
 - Scheduled finish of the project: ultimo 2011

