

Safety studies deadlines

Potentials risks in term of budget increase

- Launch Safety Agreement (LSA) available on [EDMS 1731887](#).
- HSE will
 - Perform regular checks through the different phases of the project (A memorandum of safety Checks has been issued by HSE, [EDMS 1808030](#))
 - Give a safety clearance before operating the facility.
- The project carries out detailed safety studies:
 - Suspended scaffolding: calculation note (Completed) ([EDMS 1892068](#) & [EDMS 1892063](#)) No risk
 - APR – “Analyse préliminaire de risque” (Completed) ([EDMS 990209](#) & [EDMS 990210](#)) No risk
 - Radio protection - Air activation- Ventilation system, P&ID (In Progress) Deadline : March 2020 Low risk, 95 % completed
 - Flammable gas - ATEX zones (In Progress) – User requirement document Released ([EDMS 1907012](#)), ATEX Extraction system being design by EN-CV Deadline : November 2020 Low risk
 - Capacitors & energy storage (In Progress) – Tests done, safety validation to be finalized, Deadline : April 2020 No risk
 - Shielding Blocks: calculation note (In Progress) Deadline : End of the year 2019* (even if we are not going to install all the blocs and structure at that time...) Medium risk

Qualitative assessment on risk level of budget increase

Quantitative assessment not available for the time being

Risk Register

Potential hazard	Presence	Significant	Related chapters
RADIOLOGICAL AND NON-IONIZING RADIATION HAZARDS			
Ionizing radiation	YES	YES	
Laser	NO	NO	
Magnetic field	YES	YES	
RADIOLOGICAL IMPACT			
Radioactive waste	YES	YES	
Air activation	YES	YES	
Water activation	YES	YES	
ELECTRICAL SAFETY			
Electrical equipment and installations	YES	YES	
High Voltage	YES	YES	
UPS	YES	YES	
Equipment in potentially explosive atmospheres	YES	YES	
CHEMICAL SAFETY			
Hazardous Chemical agent	YES	YES	
Toxic/Harmful	YES	YES	
Flammable	YES	YES	
Potentially explosive atmospheres	YES	YES	
Dangerous for the Environnement	YES	NO	
Asbestos			
FIRE HAZARDS			
Fire	YES	YES	

Potential hazard	Presence	Significant	Related chapters
MECHANICAL HAZARDS			
Mechanical energy (moving parts)	YES	NO	
Pressure	YES	YES	
Lifting of equipment	YES	YES	
Failure of equipment	YES	YES	
VACCUM	YES	YES	
Industriels Vehicules	YES	NO	
Hot/cold surfaces	YES	NO	
STRUCTURAL SAFETY			
Shielding walls	NO	NO	
Bearing structure	NO	NO	
Platforms, walkways, guards rails, stair and ladder	YES	YES	
Ground load	YES	YES	
ERGONOMICS, WORKPLACE AND WORKSITE			
Noise	YES	NO	
Temperature contraintes	YES	NO	
Lighting	YES	NO	
Confined Spaces	NO	NO	
Work at height	YES	NO	
Falling objects	YES	NO	
Fall	YES	NO	
Co-activity	YES	NO	
Obstructions in passageways	YES	YES	
EXTERNAL HAZARDS			
Wind/snow/hail/flooding	YES	NO	
Earthquake	YES	YES	
ENVIRONNEMENT			
Activated or radioactive soil	YES	YES	
Waste generation	YES	NO	
Discharge of effluents to the site drainage (i.e. infiltration water, rain water, cooling water...)	YES	YES	
Emissions of substances into the atmosphere	YES	YES	