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Update on material logistic concept

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After collecting all the requirements from the different users, a preliminary logistic study has been conducted with the purpose of simulating the material flow and the installation operations for the magnets of the collider ring and booster ring in the underground tunnel; the study analysed several scenarios based on different boundary conditions such as the number of shafts available for the transfer of magnets and the number of transport vehicles.

For each scenario, the simulation tool provided key performance indicators such as the overall installation time and process bottlenecks which will be of crucial importance for the definition of the overall project schedule.

The presentation will give an overview of the simulation model used, the scenarios that have been assessed and the related results.

For the future it is planned to expand the simulation to include other materials of the technical infrastructure.

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