

# GFA and SwissFEL Accelerator Seminar

## Transport and installation of accelerator equipment at CERN – Experience from the LHC

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Custom-built vehicles transporting a 16m long, 33 tonne superconducting dipole along the LHC tunnel

Transport and installation of particle accelerator equipment in restricted spaces presents many technical and organizational challenges. CERN's Large Hadron Collider has been installed in an existing tunnel designed for the relatively small LEP (electron-positron collider) magnets. New and innovative solutions were needed to transport and install the bigger, heavier LHC machine elements. In this talk challenges and solutions from the Large Hadron Collider transport and installation work will be presented along with some conclusions and recommendations for future projects.