



HSE

Occupational Health & Safety
and Environmental Protection unit

FIRIA

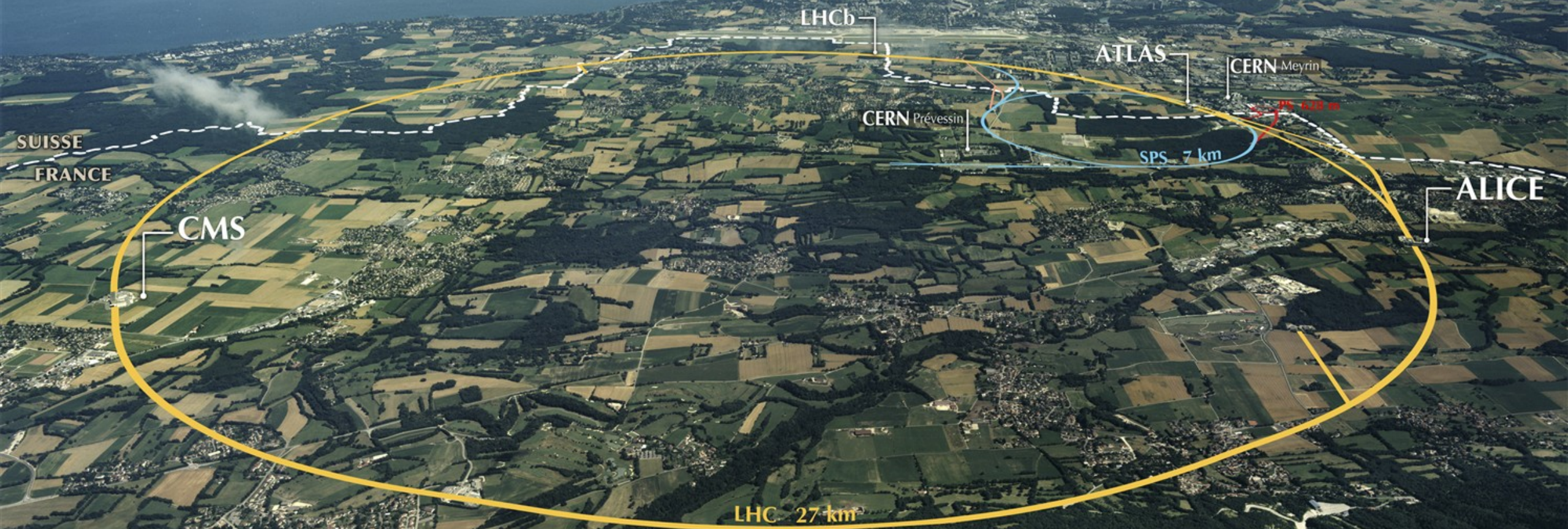
FDS Modelling of a Large Underground Cavern of CERN's LHC Accelerator Complex

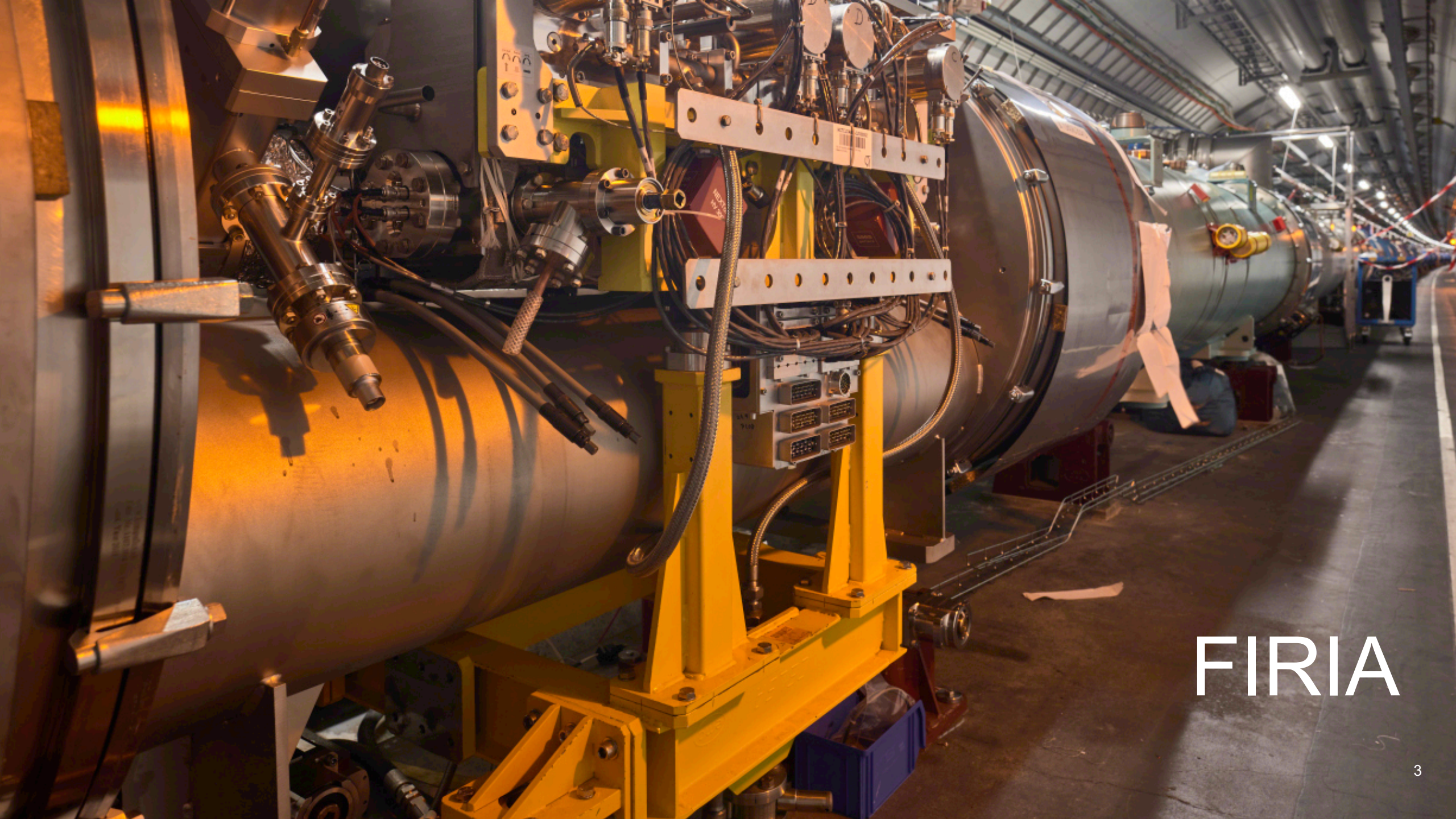
Berta Rubio Pascual

on behalf of Giordana Gai, Oriol Rios, and Saverio la Mendola

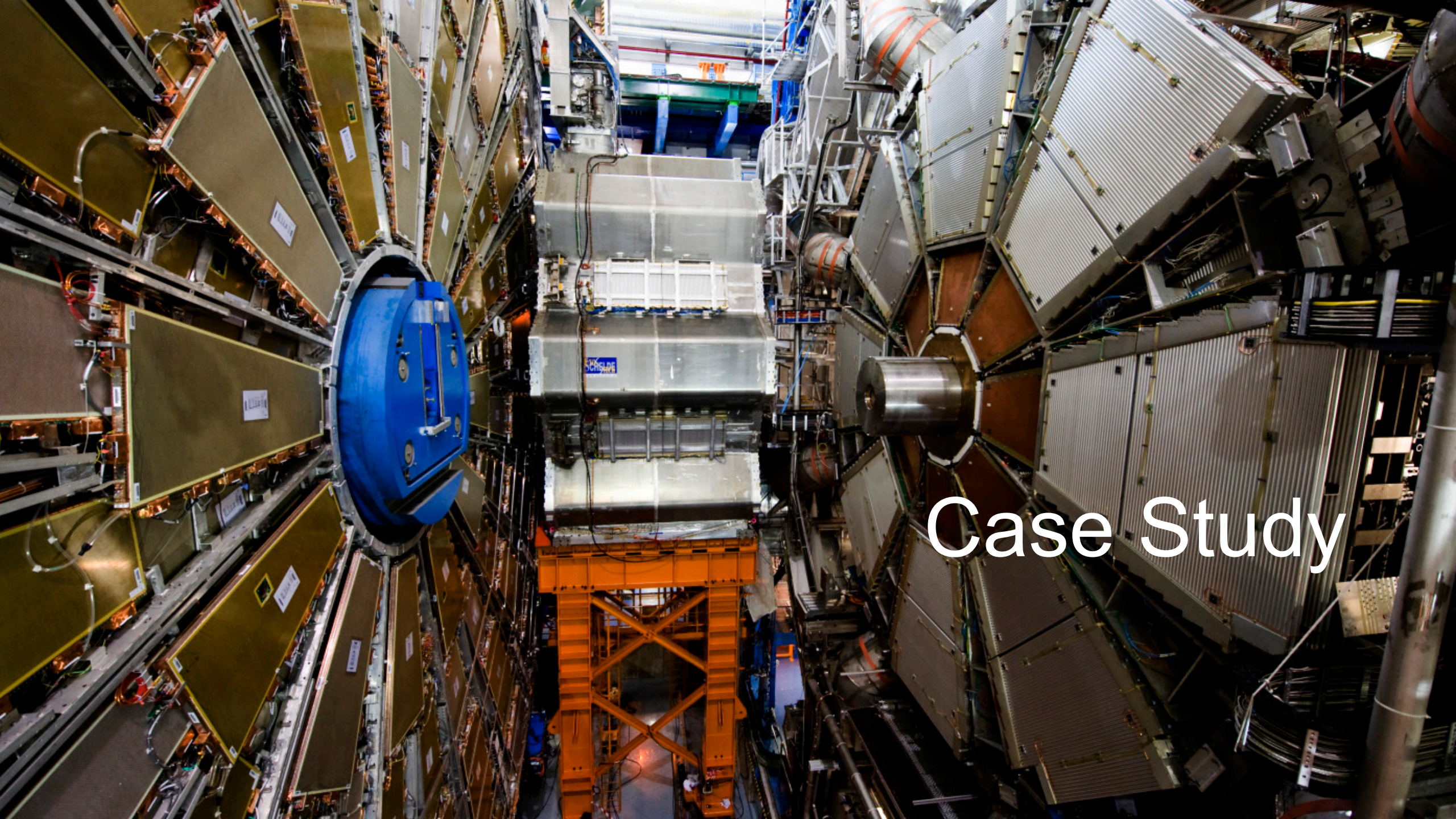
10 – 09 – 2020

CERN

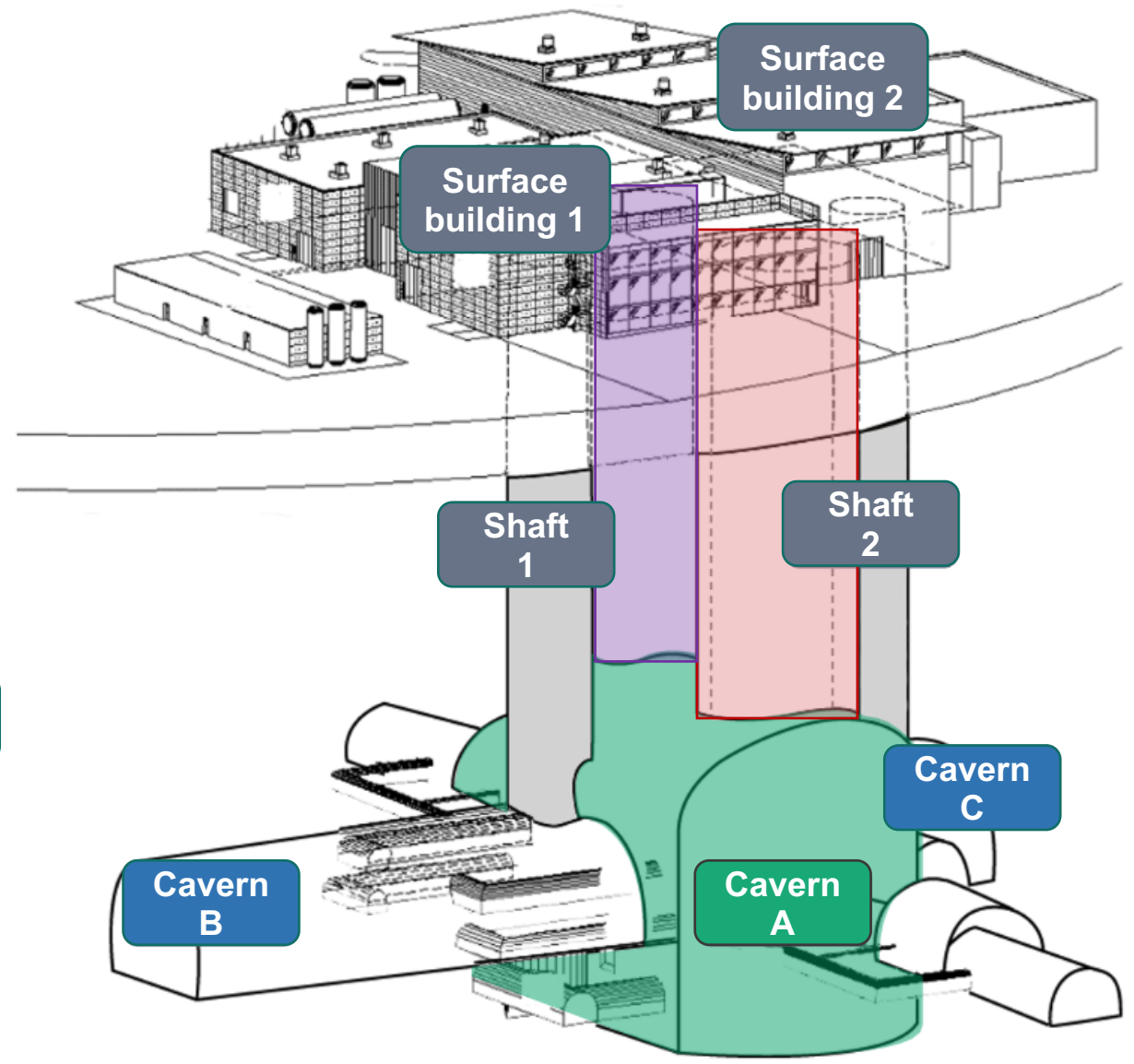
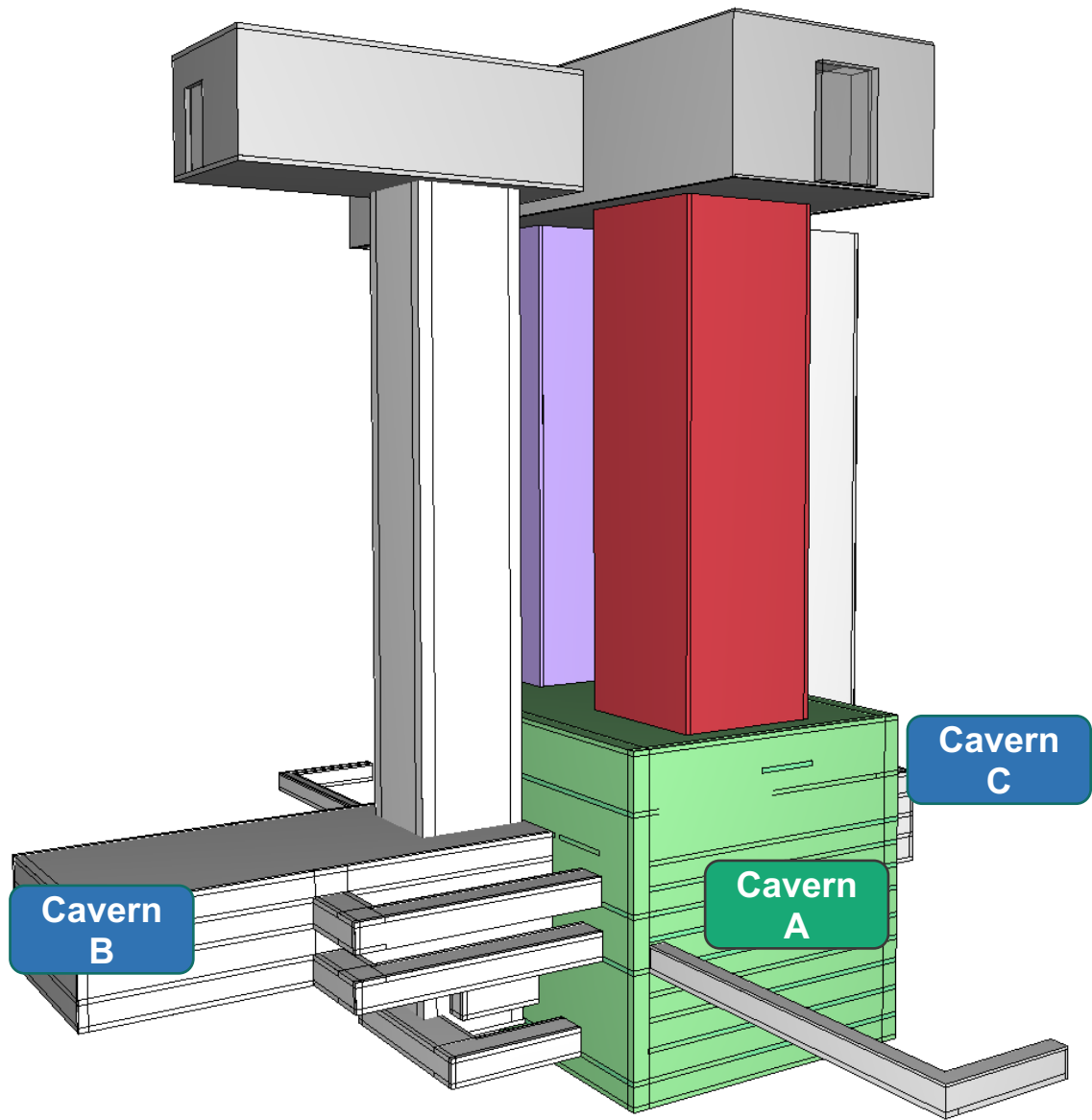




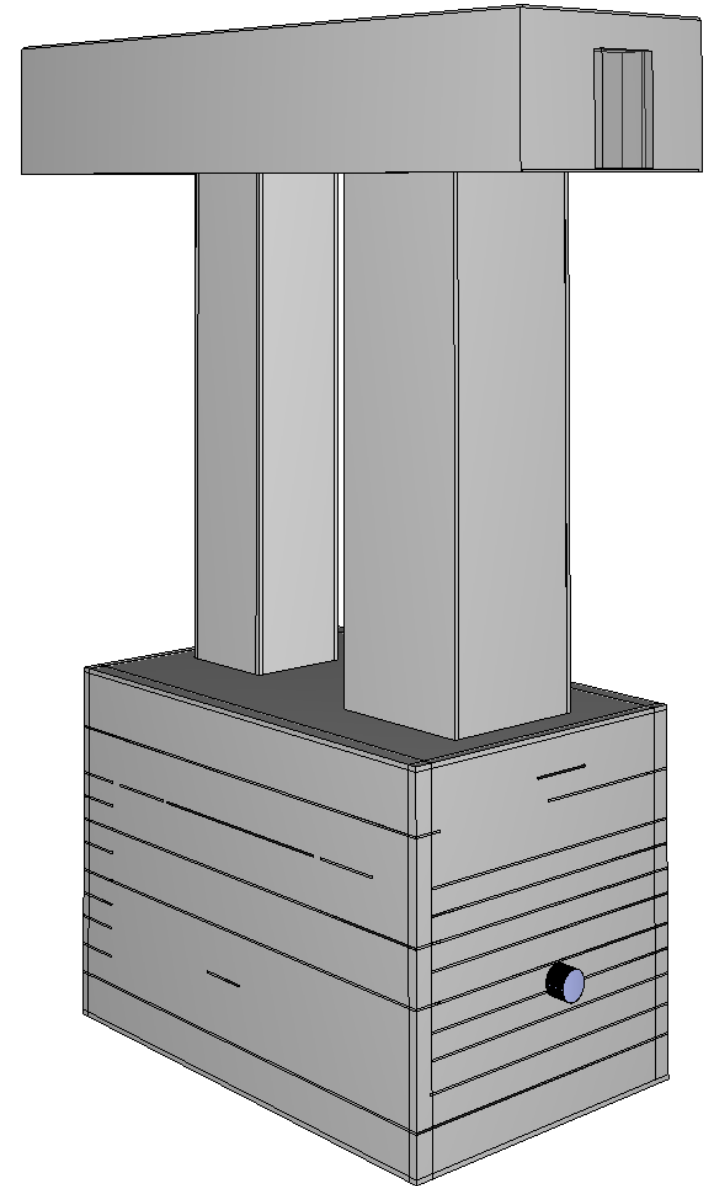
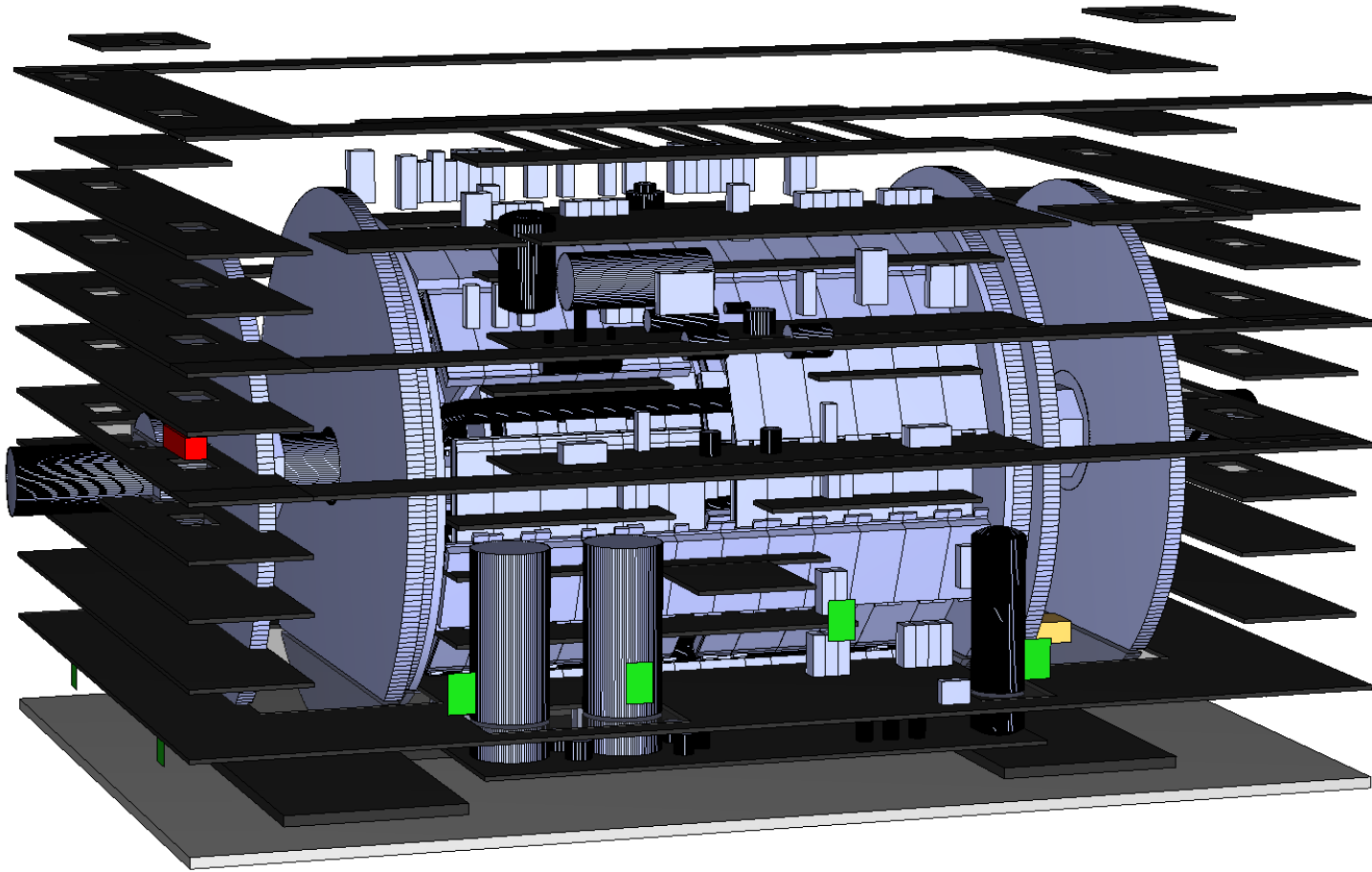
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Case Study



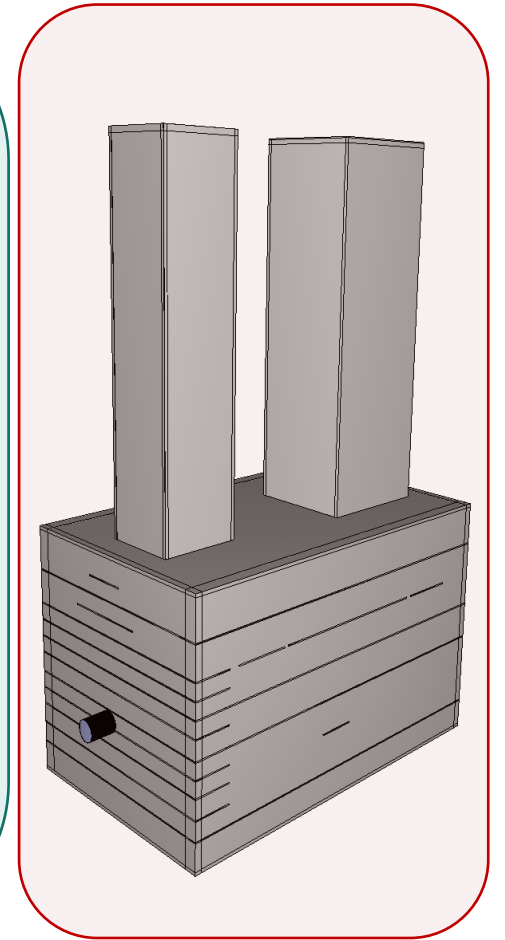
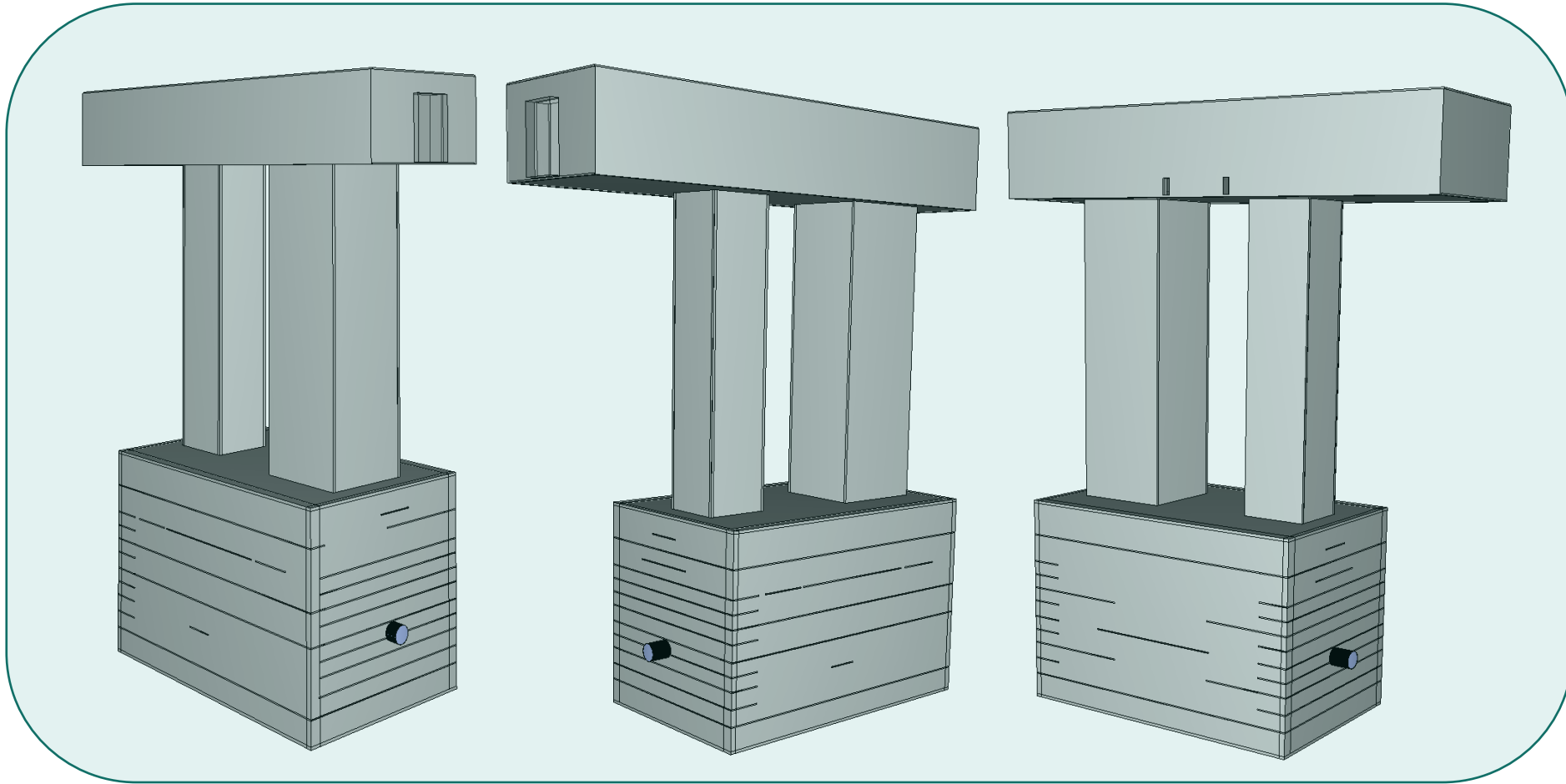
FDS Model

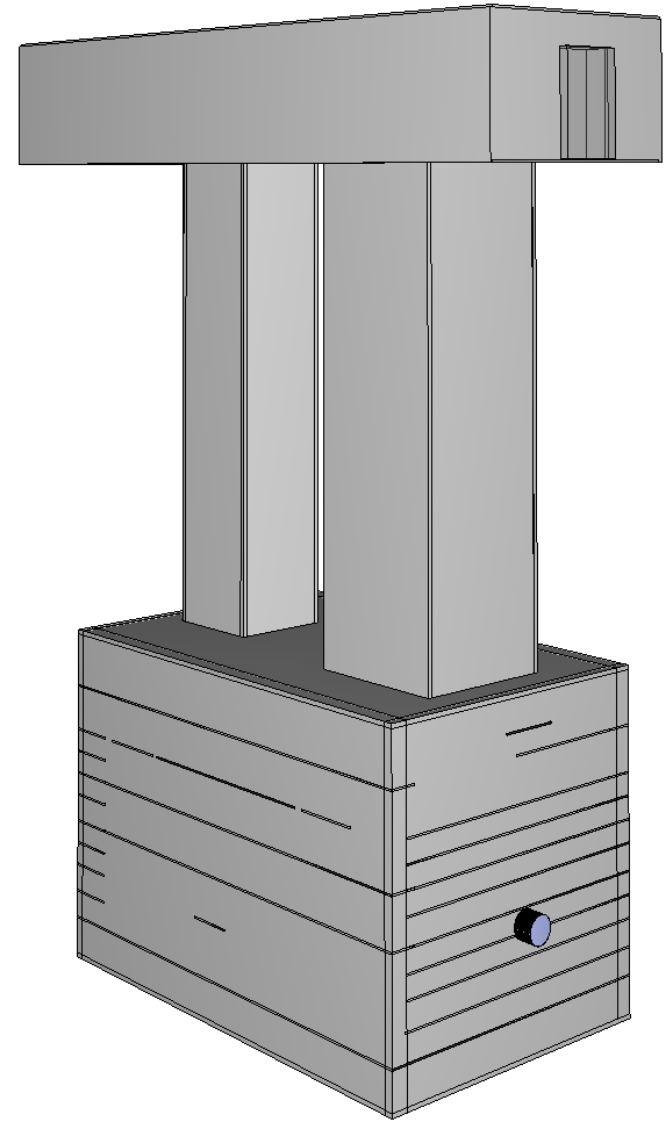


FDS Model

SHUT DOWN

RUN





Results

Normal ventilation on

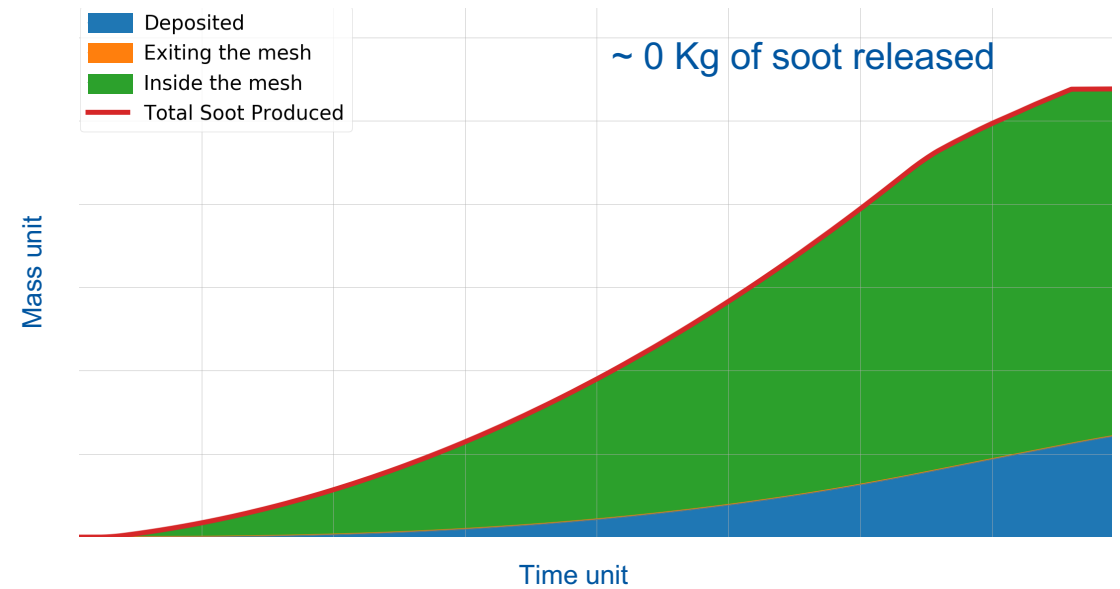
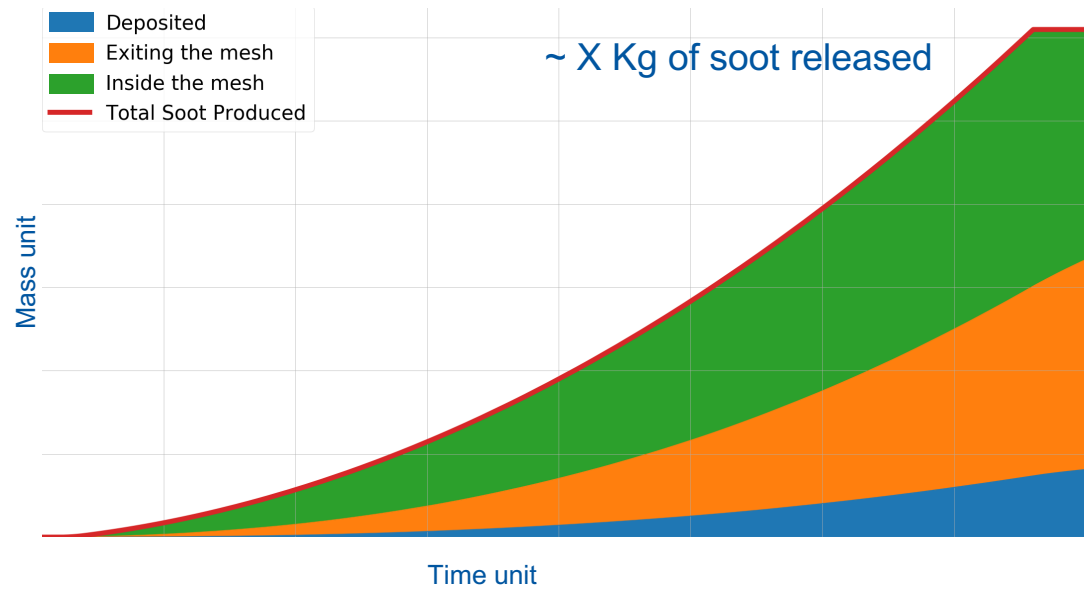


+ XX XXX m³/h
- YY YYY m³/h

Normal ventilation off



+ 0 m³/h
- 0 m³/h







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