MoST

MoST – Mobilitetslab Stor-Trondheim

PERSEUS PhD project:

«BigData and AI for Future Mobility Solutions»

Duration: 2023-2026

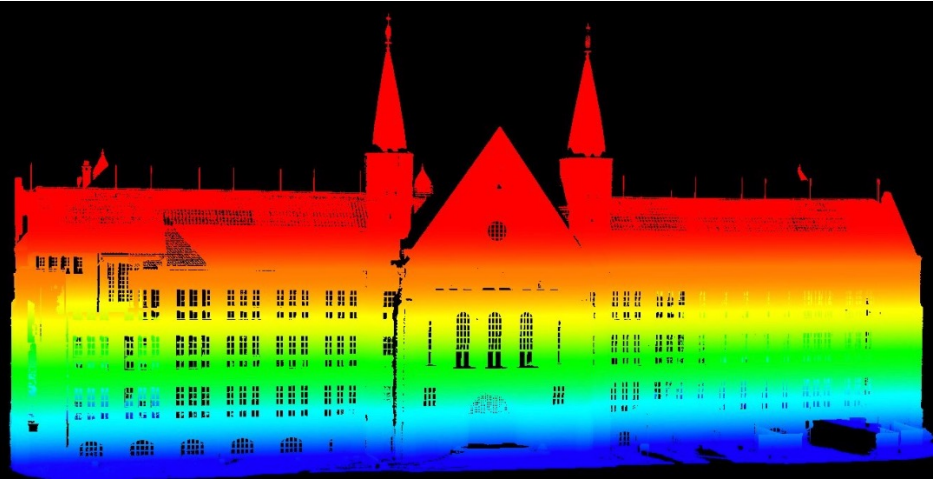**Main supervisor:**
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The aim of the project will be to develop and exploit big data and artificial intelligence-driven digital twin of urban mobility infrastructures to solve challenges in achieving a carbon-neutral mobility future. A digital twin is a virtual representation of a physical asset or process enabled through data and simulators for real-time prediction, optimization, monitoring, control, and improved decision-making. The project aims to develop enabling technologies to instill physical realism in such a digital twin. The enabling technologies will consist of data acquisition, pre- processing, fusion, and postprocessing techniques using an array of physics-based, data-driven, and hybrid models. In addition, the work will also involve the development of tools for communicating insights in a way that facilitates informed public opinion-building and decision-making.

Miljøpakken
– åpner nye muligheter

Trøndelag fylkeskommune
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