

# Optimizing the Northern European Electricity Grids: Renewable Energy Storage Socio-Technical Implications



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Renewable energy storage is fast becoming a key instrument in the global mission towards reaching net-zero carbon emissions. Research to date has not yet determined what the social and spatial implications of energy storage installations might be. This thesis intends to determine the extent to which both the built environment and communities are affected by these structures.

This study uses a qualitative case study approach to investigate changes in the overall development, ecosystem and well-being levels in communities caused by storage installations. By providing new insight, the dissertation aims to ultimately develop novel guidance on better energy storage installation practices.

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