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Energy Transition Solutions in Gothenburg, Sweden.

The need for energy efficiency and smart energy management in public infrastructure and the housing sector is critical. This involves low carbon energy production and moderating the demand for heating and cooling in buildings and infrastructures. The goal of this innovation urban project in Sweden is to support sustainable business practices and promote smart growth.

The project focuses on energy generation, storage, and distribution at the district level. This system aims to create a well-balanced set of property owners, energy infrastructure, and users, including prosumers (consumers who also produce energy) and buildings with diverse needs and usage profiles. A diverse profile of consumers and prosumers ensures a balanced energy ecosystem. This includes a mix of property owners, energy infrastructure, and users, which helps in managing energy efficiently. The energy needs of one building will be balanced with the surplus of another. This involves technologies like storing heating/cooling energy in the building's structure, accumulation tanks, geothermal heat pumps, and batteries for electricity. From the economy point of view, the project aims to develop a business value ecosystem for various local energy stakeholders. This collaborative approach ensures that different stakeholders are involved in the energy transition process, fostering sustainable growth and smart energy management. This case study showcases the innovative strategies employed to advance energy transition, emphasizing the importance of efficiency, smart management, and collaboration among local stakeholders.

Source: EESF project, based on [FED - Fossil Free Energy Districts \(Closed\)](#) | [UIA - Urban Innovative Actions](#)



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