

# Urban Sustainability in Vuores, a New Housing Development in Tampere

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## SUMMARY

Vuores is a new urban quarter, which will be implemented in Tampere by the early 2020s. Tampere and its surroundings with 370 000 inhabitants is the second largest urban region in Finland. The total population of Vuores will be about 14 000. Eco-efficiency is the most important starting point for the planning and implementation. The area covers around 1250 hectares.

The main goal is to create a “small town” that is active around the clock and which will provide high-quality services and a variety of residential possibilities, as well as attractive workplace areas for commercial and trade needs. The natural environment and ecology are an essential part of the area’s identity, and environmentally valuable areas will be protected. Public transport, walking, and cycling will be emphasized in the traffic system.

Vuores is a combination of high-quality housing and urban greenery. The area offers innovative construction and housing solutions, and makes use of cutting-edge technology. The diversity of the area, its strong sense of unity, and natural interaction between generations create an excellent basis for an active and sociable lifestyle.

In Vuores, special attention has been paid to stormwater management. The multiphase stormwater management system in Vuores is the most extensive and diverse in Finland. In Vuores central park the technical structures of the system have been elegantly integrated with the overall artistic design of the park.

Isokuusi, which together with the Vuores centre will form the largest housing area complex within Vuores, is a model area of a new type of industrial wood construction. A modern wooden city will be constructed in Isokuusi, where wooden residential blocks of flats, wooden business and service

buildings, and wooden small houses form a unified architectural entity. Once completed, the area will be the largest modern wooden urban environment in Finland.

The automatic waste collection system in Vuores is based on a Finnish innovation. The waste inlets have separate feeding pipes for biowaste, paper, cardboard, and mixed waste, all of which are transported underground by negative pressure to their specific containers in the collection station. When waste is not collected separately from each plot, emissions are reduced and the safety of the residents is improved significantly.

Data communications have been attuned to future needs. Each dwelling in the area is equipped with ultra-fast Internet connections exceeding 100/100 Mbps.

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