

The first life cycle project to the City of Helsinki – Caverion implements Vuosaari high school project together with YIT

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Caverion has signed an agreement with the City of Helsinki on implementing a life cycle project for Vuosaari high school together with YIT. The contract is worth approximately EUR 13 million to Caverion.



Caverion will be responsible for the design and implementation of Total Technical Solutions, including all building systems for a new building. The building will be completed in summer 2021, after which Caverion will be responsible for 20 years for the maintenance of the property and achieving a predefined level of energy consumption. YIT is responsible for designing and constructing the building according to the life cycle model. The size of the high school building is approximately 6,700 square metres.

"The City of Helsinki gets to build a new high school after a long break. We want to implement a high-quality building, meeting the needs of 900 students to the centre of Vuosaari. In the evenings, the school turns into a sports and leisure centre for residents and organisations. The life cycle model enables the city to manage quality risks better," says **Vuokko Uusikangas**, Project Leader, City of Helsinki.

Vuosaari high school is the City of Helsinki's first project to be implemented using the life cycle model. The premises designed according to the new national curriculum support the high school's music and technology oriented teaching and primary art education. The building is part of the development project of Vuosaari centre.

Green roofs and solar power

Energy efficiency is in focus, and the building will be designed into an almost zero energy building, which means very high energy efficiency and generating the energy demand of the building with renewable energy sources to a great extent. The building will be designed and implemented according to energy efficiency class A and the level of 4 stars in the Finnish RTS Environmental Classification. The building will have green roofs, and solar power will be the source of renewable energy. The solar power system to be built on the roof will generate e.g. over 15% of the electricity consumed by the building.

"The life cycle model is very suitable for implementing projects with a high level of responsibility, like school buildings. A smooth cooperation is important when the goal is to create good conditions for users and achieve high energy efficiency, which also ensures the client's ecological goals," says **Ville Tamminen**, Executive Vice President, Caverion Finland.

In Finland, Caverion and YIT have implemented several life cycle projects in cooperation, for example Kirsti and Vihertaakso schools in Espoo, Torkinmäki school in Kokkola and Nummikeskus in Hämeenlinna.

"We have a lot of experience with life cycle projects. The Vuosaari high school is a good continuation to our life cycle business," says **Hannu Soikkeli**, Director, Life cycle projects, YIT.

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