STREAMER - an industry-driven collaborative research project on Energy-efficient Buildings (EeB) with a focus on mixed use healthcare districts that aims to reduce the energy use and carbon emission of new and renovated buildings in healthcare districts in the EU by 50% in the next 10 years.

STREAMER provides a user-friendly design approach with tools to optimise a building layout during the early design stage. This tool will allow for an efficient decision support during the design process.

INNOVATION

Creating flexible design alternatives using computer-aided design. STREAMER aims to expand Design Configurator (DC) to a platform where users can program their requirements and be called Design Enablers. Design rules are deeply embedded in a database. Design parameters can be anything, from expert knowledge to regulations. Design rules are based on established relationships between functions of the project. The rules can be anything, from expert knowledge to regulations. Design rules are based on established relationships between functions of the project. The rules can be anything, from expert knowledge to regulations.

Using the EDC, the design alternatives can be generated. Functions with similar requirements can be matched. Design rules can be activated and deactivated, depending on the specific project. These rules can be validated through several key Performance Indicators (KPIs) in STEP.

When a design alternative is chosen, the tool can be used in conjunction with the design alternative to provide decision support through the design process. A Decision Support Tool (DST) is used to compare the design alternative with the existing building. This tool can be used to compare the design alternative with the existing building.

Deciding Support Tool

A Decision Support Tool (DST) is used to compare the design alternative with the existing building. This tool can be used to compare the design alternative with the existing building in terms of energy consumption, carbon emissions, and cost. It can also be used to compare the design alternative with the existing building in terms of energy consumption, carbon emissions, and cost. It can also be used to compare the design alternative with the existing building in terms of energy consumption, carbon emissions, and cost.

More information and contact

WEBSITE: www.streamer-project.eu
E-MAIL: info@djga.nl

WEBSITE: EeB (Energy-Efficient Buildings)
PROGRAM AREA: EeB (Energy-Efficient Buildings)
EU GRANT: EUR 3MILLION
POSTER BY: de Jong Gorinemakers Algra Architects
WEB SITE: www.djga.nl
E-MAIL: info@djga.nl

Hospital Math-an-Kantijn in Maarssen, The Netherlands - Design by Jong Gorinemakers Algra Architects - Example of a hospital according the Layer Methodology from Bouwcollege