**Optimised design methodologies for energy-efficient buildings**

STREAMER - an industry-driven collaborative research project focussing on Design-optimised Buildings (Eds) with state-of-the-art healthcare districts that aim to reduce the energy use and carbon emissions of new or renovated buildings in healthcare districts in the EU by 50% in the next 15 years.

STREAMER provides an integrated interdisciplinary design approach with tools to optimise a building layout during the design stages. The tools will also support several decision support moments during the design process.

### Key Performance Indicators

- **Multicriteria analysis** against a set of optimised design methodologies.
- **Preliminary calculation** of energy performance indicators.
- **Post-occupancy evaluation** of project outcomes.

### Project Partners

- **TNO**, the Netherlands
- **Hoogovens**, the Netherlands
- **de Jong Gortemaker Algra Architects**
- **AEC3**, the Netherlands
- **Mostostal Warszawa**, Poland
- **CSTB**, France
- **MAE**, Italy

**More information and contact**

**WEBSITE:** www.streamer-project.eu

**DURATION:** 56 MONTHS (01/07/2017) - 30/06/2023

**EU GRANT:** EUR 4 MILLION

**PROGRAM AREA:** Eds (Energy-Efficient Buildings)

**POSTER BY:** de Jong Gortemaker Algra Architects

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**HOSPITAL Maas en Kempen in Maaseik, Belgium, design de Jong Gortemaker Algra Architects** - Example of a hospital according to the Layer Methodology from Bouwcollege Maas en Kempen

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**Seventh Framework Programme for research, technological development and demonstration (FP7) - Design Rules**

**Project Partners**

- **DEMO**, the Netherlands
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- **DEMO**, the Netherlands
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**Optimised design methodologies for energy-efficient buildings**

**INNOVATION 1**

- **Design Alternatives 1**
- **Design Alternatives 2**
- **Design Alternatives 3**

**INNOVATION 2**

- **Decision Support Tool**

**INNOVATION 3**

- **Decision Support Tool**

**INNOVATION 4**

- **Decision Support Tool**