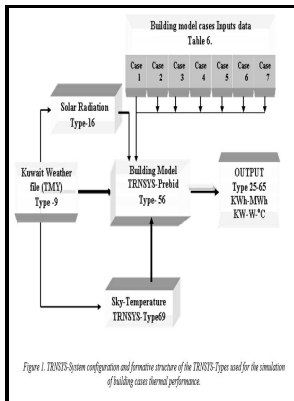


# Energy implications in building design - A thermal simulation design model.

University of Strathclyde. Department of Architecture - Dynamic Thermal Simulation Modelling (IES Modelling)



Description: -

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Notes: At head of title page: Architecture and Building Aids Computer Unit Strathclyde.

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## About Energy Analysis for Autodesk® Revit®

This flexible cloud-based service uses the DOE2 simulation engine. This ensures that home owners achieve the pre-quantified benefits from their energy efficiency investment.

## MODELING AND SIMULATION OF BUILDING ENERGY PERFORMANCE FOR

**Passive House Design** We define a passive house as a house that requires cost-effectively, minimum amount of mechanical heating or cooling. The need to reduce energy consumption whilst dealing with global climate change has reduced the options available for building comfortable, low-energy buildings.

## Dynamic Simulation Modelling, thermal model for SBEM approach

The building is also assessed against climate change, IES VE ability to incorporate predicted weather files provide the design team the ability to future proof the building in relation to human comfort.

## Energy Simulation in Building Design

This thorough revision means that the book remains the key text on simulation for architects, building engineering consultants and students of building engineering and environmental design of buildings. Geoflow Australia has been involved in this program for a long time and we are one the approved assessors with Sustainability Victoria. At Geoflow, we use appropriate strategies in our modelling to take into account the climate and specifics of the site to minimize the heating and cooling requirements of the building, cost of running the building and consequently the carbon footprints of the building.

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