Tool	Applications	Expertize requirement	Load Calculation	Retrofit Analysis	Freely available
BV2	Annual energy use, durational diagram	HVAC systems	yes	yes	
IDA-ICE	Energy performance, thermal comfort, indoor air quality	HVAC systems	yes		
IDA-ESBO	Building design optimization to evaluate energy consumption and comfort	HVAC systems	yes		
RIUSKA	Energy calculation, heat loss calculation, system comparison, dimensioning, 3D modeling	Engineering background	yes	yes	
VIP-Energy	Energy performance, code compliance, economic and environmental calculations	Basic energy flows and building construction			
ParaSol	Energy demand and peak loads for heating / cooling for different glazing and shading devices.	solar radiation, solar shading, windows, energy performance indicators	yes		yes
DEROB-LTH	Influence of solar insolation and shading devices on the energy balance in the building	influence of different design parameters on the thermal behavior of a buildings			
EnergyPlus	EnergyPlus models heating, cooling, lighting, ventilation, other energy flows, and water use.	Engineering background	yes	yes	yes
DOF-Energy	Evaluates energy consumption and heat loss distribution of the buildings	HVAC and building design			
CELLAR	Calculates the heat loss to the ground from a rectangular building with a foundation of the cellar type with constant insulation thickness at the floor and the wall. Both the heat loss variation during the year, including the peak effect and the accumulated heat loss during the heating season, are calculated.	Engineering background helpful for analysis			

HEAT3	HEAT3 can be used for analyses of thermal bridges, heat transfer through corners of a window, heat loss from a house to the ground	Engineering background			
Unorm	UNorm calculates U-values, temperatures, heat flows, and Ψ- or X-values in 2- and 3-dimensional thermal bridges. The program divides the thermal bridge into small cells.	knowledge of thermal transfer, thermal conductivities, and boundary conditions			Yes
ISOVER Energi	Calculates: U-value, for constructions with and without thermal bridges; total heat loss for buildings; and energy demand for buildings.	Building constructions and installations, and of building regulations are necessary.	yes		
BSIM	Building simulation, energy, daylight, thermal and moisture analysis, indoor climate	Building design and how buildings behave thermally in order create the building model	yes		
Note : For information about other simulation tools please refer to Building Energy Software Tools Directory					

Calculation tools

Tool	Key functionality	Language	Efficiency impacts	Economic impacts
PAROC calculus	Evaluating projected energy efficiency of different objects related to buildings with different insulations provided by Paroc	English	yes	yes
Energiansäästölaskuri	Evaluating projected energy efficiency of different objects related to buildings with different insulations provided by ISOVER	Finish	yes	yes
Rakentajan ekolaskuri "Pro"	Comprehensive relative evaluation of building performance from ecological point of view	Finnish		
Energiguiden	Evaluates energy performance of the buildings at user level	Swedish	yes	yes
Energisparguiden	Evaluating energy performance of the buildings at user level	Swedish	yes	yes
Energianalysprogrammet	Evaluating energy performance of the buildings at user level	Swedish	yes	yes
Rakentajan ekolaskuri "Light"	Relative evaluation of building performance from ecological point of view	Finish		
Energikalkylen	Provides practical advice to the users, ranging from simple saving tips to replace the entire heating system for a household in apartment or in independent house	Swedish	yes	yes
Energihuskalkyl!	The support tool allows the verification, monitoring and energy performance targeting urban planners and home developers in different stages of construction	Swedish	yes	yes
Elspar	Simple calculation of energy consumption of households and provides information about different energy efficiency alternatives	Swedish	yes	
Electricity consumption of a household	Total electricity consumption in a year can be calculated using this tool	Swedish		yes

Energimärkta fönster	This tool is developed to calculate energy efficiency potential in the case of window replacement	Swedish	yes	yes
Edkalkyl	Sensitivity analysis of energy efficient methods from investment perspective of property owner	Swedish	yes	yes
Asuinrakennuksen toimenpidekohtainen energiataloudellinen tarkastelu	The program can be used in the residential blocks of flats and terraced houses energy savings calculations and economic assessment of the individual measures.	Finnish	yes	yes
Pellettilämmityksen kustannuslaskuri	The program can be used perform cost analysis of pellet based heating over electricity and oil for single family houses	Finnish	yes	yes
Energialaskuri_biohousing	This program can be used to perform economic analysis and forecast of different heating options for single homes	Finnish	yes	yes
HeatMod	Calculates transmission and ventilation losses based on Latvian building codes and weather conditions	Latvian	yes	

Other calculation tools

Tool	**Functionality**	**Language**
Energiatodistuslomake pienille asuinrakennuksille	Energy certification for residential buildings	Finnish
Energiatodistus pientaloille	Energy certification for detached house	Finnish
energiaselvitys	Energy audit	Finnish
Ēkas energoefektivitātes aprēķina programma	Energy audit	Latvian