

Overview
Energiemanagement-Systeme
 by Olivia Liebert

1. Energy management tools applicable in the tourism business

Name of the product	Supplier	Short description	Applicable for	Further information
Fenergy	Thorsten Ochs – Software Development	Illustration of the building control technology, visualization and evaluation of the measured values and data from the building control technology. The energy management software SM202 allows: <ul style="list-style-type: none"> • Cost transparency • Consumption control • Indication of energy saving potentials • Account of additional costs 	All types of buildings	www.factorysoft.de/produkte/
Visual Energy Center (VEC)	Ennovatis	Software solution for the entire examination of a building: <ul style="list-style-type: none"> - Simulation, data capture and data analysis - Capture of energy consumption of machines, equipment and buildings of the company - Capture of all media (electricity, warmth, water, air pressure...) - Report system - Assessments and evaluations of the energy consumptions - Current notice of malfunction in case of deviation - Load management - Benchmarking 	All types of buildings	www.ennovatis.de

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ESG	Energy Future Bayern	Services – rational energy application	Restaurants and canteen kitchens	www.ier.unistuttgart.de
Environmental protection in guest trade: Lower expenses through environmental protection	DEHOGA	With the help of concrete arithmetic examples energy saving potentials can be determined	Hotel and guest business	www.interhoga.de www.dehoga-bw.de
Energy Controlling Software	EC-SB	<p><u>Software with the following capacity:</u></p> <ul style="list-style-type: none"> • Provision of information of the derivation of measures to lower energy expenses • Measurement of the energy consumption and current evaluation of the dates (report) • Creation of detailed energy reports 	Companies with middle and high energy amount (also guest trade)	www.ec-sb.de
Innotec Energy Management System	MOBKOM e.V.	<p>Software for the energy supply optimisation</p> <p><u>Capacity of the programme:</u></p> <p>Central supervision Consumption ranking for separate capture and comparison of media consumption – electricity, gas, oil, water – of all buildings. The system allows internal and external comparisons.</p> <p>Decentralised control Registration of warmth and water consumptions for further processing and creation of an operating expense account, as well as provision of the data for a user's information portal.</p>	Companies	www.mobkom.net

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		<p>Analysis Energy reports and documentation for the recognition and specific avoidance of consumption-intensive periods to achieve noticeable cost reductions within the annual performance price.</p> <p>Optimisation Providing preparation, peak demand management as an accompanying measure in the energy-invitation procedure.</p> <p>Control Recognition of defects, mistakes, irregularities or unnecessary "energy eaters" through permanent observation of load profiles / characteristic equipment in terms of the optimum facility setting. Unintentional or too high energy consumptions become visible immediately and can be consequently removed with often very easy measures.</p>		
Energy Controlling System Software (ECS)	KEVAG	<ul style="list-style-type: none"> • Modular built up software allows: Evaluation of the energy consumption data • Representation of the consumption of electricity, gas, air pressure and other energy types • Graphical analysis of the consumption values of different energy types • Creation of regular reports about the development of the energy consumption • Energy consumption control on self-defined limit values Indication of energy saving potentials 	Companies	www.energiemanagementsystem.net

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EVEBI	ENVISYS Consulting Energy Software	<ul style="list-style-type: none"> • Software for professional energy consultation, building planning and energy management for the initial consultation. • Optimisation of a building or the “big energy consultation” with on site-report BAFA. • Awarded as the Best Energy Consultation Program. <p><u>Creation of proofs regulated by public law:</u></p> <ul style="list-style-type: none"> • Energy consumption balances for residential buildings and non-residential buildings • Energy identity cards in terms of consumption / demand for residential and non-residential buildings (initial consultation) • Extensive energy consultations for residential and non-residential buildings • All proofs regarding energy saving order • Economic efficiency calculations • Analysis from simple data capture up to detailed data capture of complicate facilities are supported • Graphics as support (directly printable and transferible) • Additional tool "photo dimension" (capture of the building envelope through digital photos) • Switching between different calculation methods within one project possible 	Residential and non-residential buildings	www.envisys.de
Energy Expert	5S AG	Simple creation of consumption calculations for residential residential building and non-residential building	Residential and non-residential buildings	www.5s-ag.de

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Energy Consultant PLUS 18599	Hottgenroth Software Ltd	Software for the calculation of the energy consumption of residential buildings and non-residential buildings Energetic planning Energy demand identity cards for residential and non-residential buildings Assessment of lighting zones	Residential and non-residential buildings	www.hottgenroth.de
WEBVISION Energy Management	GFR	Software capacity: <ul style="list-style-type: none"> • Recording and control of energy consumptions • Inquiry of consumption expenses • Control of emissions • Recognition of optimisation potentials • Graduations set with energy benchmarking Optimum tool for the increase of energy efficiency: <ul style="list-style-type: none"> • Action demand is indicated • Metre reading and company hours are automatically registered • Storage of the data in monthly and annual tables 	Buildings	www.gfr.de
FRAKO Energy-Management System	FRAKO Ltd	System for the capture, documentation, account and visualisation of the respective energy consumption regarding electricity, gas, water and air pressure	Industry and trade companies	www.frako.de
E58 Municipal Energy Management	Solar Data	Energy management software capacity: <ul style="list-style-type: none"> • Energy benchmarking • Consumption analysis • Energy controlling 	Buildings	www.solar-data.de

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		<ul style="list-style-type: none"> • Cost controlling • Rate optimisation • Energy reports • Saving potentials • Consumption pass 		
SICOTRONIC 4000 Intelligentes Energy Management System	Steinmetz Energy Management	<ul style="list-style-type: none"> • System for the energy supply optimisation of buildings. • The electronical control system consists of a central unit and many, also decentralised modules with specific functions • Usable for electric-thermal and general-electric machines of the canteen kitchen 	Hotels, old people's homes, restaurants, canteens, bakeries from approx. ten machines and a capacity point greater than 75 kW	www.mikeline.de
SICOTRONIC 1010	Steinmetz Energy Management	<ul style="list-style-type: none"> • Canteen kitchen optimisation system • Consists of the announcement and operating module and up to eighteen electric-thermal and eight general-electric circles with a control programme specific for kitchen 	Industrial kitchens, old people's homes, restaurants, canteens, bakeries from approx. ten machines and a performance point greater than 50 kW	www.mikeline.de
deZem Energy Controlling und Environmental Monitoring	Dezem Ltd	<p>Capacity of the system:</p> <ul style="list-style-type: none"> • Registering and aggregating of the energy data • Transfer to central servers on a real-time basis • No extra software necessary • Overview measurement of the whole consumption regarding the most important dimensions (electricity, gas, water) • Technology also for the monitoring of environmental variables used (e.g. concentrations CO₂, temperature) 	Buildings in general, Already applied in hotels	www.dezem.de

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Citadel Hotel Management Software	Citadel Ltd	<ul style="list-style-type: none"> • New system to control the energy data in hotels • In particular to control and regulate the heating system in guest-rooms • Up to 30% of heating energy can be saved by the system • Sensors measure the temperature in the guest-rooms and transfer the information to the central server • With the check-in the temperature is automatically raised, with check-out the temperature is lowered • Heating by open windows becomes impossible: A door-window contact leads to close the heating valve 		www.citadel.de