ZKB MeinIndex Sustainable Energy Efficiency

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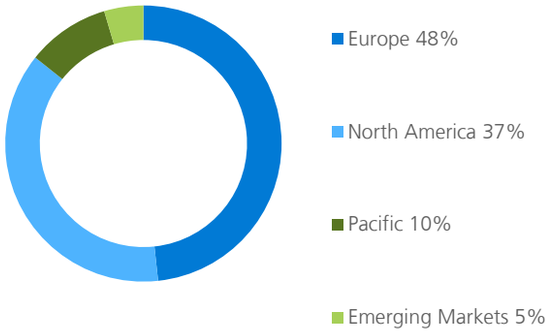
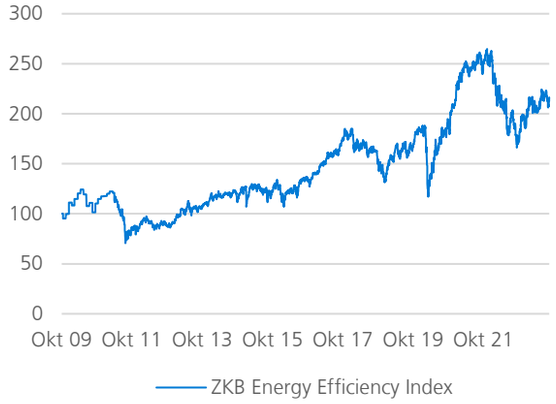
In brief

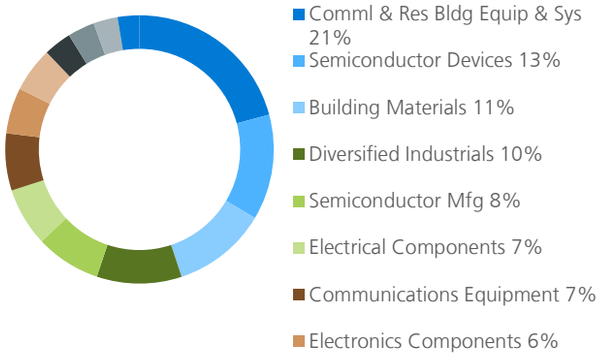
- About 60 % of the primary energy that we use is wasted because it is lost at some point in the transformation chain
- Major potential exists to improve efficiency in terms of buildings, industrial processes, mobility, lighting and consumer goods
- Improved energy efficiency is a low-cost way to reduce greenhouse gas emissions
- As well as being good for the environment, measures to increase energy efficiency are also financially attractive due to the cost savings obtained
- Both nationally and internationally, the need for greater energy efficiency is increasingly supported and accepted at a political level

Distribution by region as of 31.08.2023





Distribution by portfolio category as of 31.08.2023



Performance figures ZKB MeinIndex Sustainable Energy Efficiency

Absolute		Annualized
1m	-3.1%	
3mths	3.7%	
1y	15.0%	
3y	20.3%	6.8%
5y	31.7%	6.3%
since launch	116.2%	8.4%

Annual performance	
2015	2.0%
2016	8.2%
2017	27.4%
2018	-24.1%
2019	35.1%
2020	17.5%
2021	21.4%
2022	-28.2%
2023 YTD	16.0%

Information on ZKB MeinIndex
The global effects of climate change are a major issue for politics, economics and society today. The lowest-cost, most di-rect method of reducing greenhouse gas emissions lies in sa-ving energy and eradicating energy losses. About 60 % of the primary energy that we use is wasted because it is lost somewhere in the transformation chain prior to end-use consumption. Measures in the buildings sector have a central role to play in this, because this is where the greatest potential for cost-effective reduction in CO2 emissions lies. Major efficiency potential also exists in industrial processes, mobility, lighting, as well as consumer goods. Greater energy efficiency is therefore assigned a key role in climate-change policy; but as well as being good for the environment, energy efficiency is also financially attractive due to the cost savings obtained. Investments in improved energy efficiency are usually recouped in a short space of time. Both nationally and internationally, greater energy efficiency is becoming increasingly supported and rooted at a political le-vel. For instance, under its "20-20-20 by 2020" slogan, the EU has drawn up a climate protection package designed to increase energy efficiency by 20 % by 2020, cut emissions of greenhouse gases by 20 % and raise the proportion of renew-able energy sources from 8.5 % to an average of 20 %. Similar goals have been agreed by the likes of the US and China. Swiss politicians have now taken decisions on the definition of goals to increase energy efficiency. The focus is on more energy-conscious purchasing and usage on the part of consumers and businesses. This presents major growth opportunities for companies that offer solutions for greater energy efficiency.

ZKB MeinIndex Sustainability Energy Efficiency
For the ZKB MeinIndex Sustainability Energy Efficiency, companies are selected from the sustainable investment universe of Zürcher Kantonalbank that contribute to energy saving or minimize the loss of energy.

Industrial products
Industrial electric motors and electric motor systems in industry and the service sector are responsible for a large share of worldwide electricity consumption. The energy efficiency of an electric motor system can generally be improved by 20 to 30 % – equivalent to an enormous, untapped potential for cost-effective energy savings and greenhouse gas reductions.

Area/process heat
Around one-quarter of Switzerland's energy consumption is due to housing: heating, cooling, hot water and lighting are the main causal factors. Important measures include: roof and wall insulation, insulation glazing, ventilation, use of environmental heat (e.g. using solar collectors, geothermal).

Consumer goods
The standby consumption of household equipment is just one example showing how energy is consumed where it is not even needed – and costs money too. Technical ways to improve efficiency in terms of household equipment (e.g. washing machines, coffee makers) include a significant lowering of energy consumption, and in particular auto-off functions that fully disconnect equipment from the power supply when it is not being used.

Lighting
The era of traditional light bulbs is gradually coming to an end. Light bulbs mainly produce heat rather than light. Studies suggest lighting accounts for 20 % of the world's electricity consumption. The replacement of obsolete light bulb technology – mainly by the lightemitting diode (LED) technology that began to be used in the late 1990s – could offer scope for major efficiency improvements, and therefore potential energy savings.

Electricity and heating supply
Renewable energy and the more efficient use of conventional energy sources offer major potential for reducing environmental impact. Intelligent management of power usage can take pressure off the electricity networks ("smart grids"). This means the additional capacity required at peak times can be kept at a low level, and the corresponding emissions are not incurred.

Key data ZKB MeinIndex Sustainable Energy Efficiency

CH Sec No.	10 687 110
Bloomberg Symbol	ZKBIENRG

Open End ZKB Tracker Certificates

CH Sec No.	ISIN	Symbol	Tranche
10 716 402	CH0107164029	TREFFO	Retail

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ZKB MeinIndex Sustainable Energy Efficiency Components as of 31.08.2023

Underlying	Currency	Portfolio category	Weight as of 31.08.2023
ABB Ltd	CHF	Electrical Components	3.33%
Acuity Brands Inc	USD	Comml & Res Bldg Equip & Sys	3.40%
Alfa Laval AB	SEK	Diversified Industrials	3.00%
Applied Materials Inc	USD	Semiconductor Mfg	3.89%
Atkore Inc	USD	Electrical Components	3.68%
Belimo Holding AG	CHF	Comml & Res Bldg Equip & Sys	3.21%
Carrier Global Corp	USD	Comml & Res Bldg Equip & Sys	3.80%
Cisco Systems Inc	USD	Communications Equipment	3.71%
Eaton Corp PLC	USD	Diversified Industrials	4.24%
Ganfeng Lithium Group Co Ltd	HKD	Specialty Chemicals	2.18%
Infineon Technologies AG	EUR	Semiconductor Devices	2.89%
Kingspan Group PLC	EUR	Building Materials	3.67%
Legrand SA	EUR	Comml & Res Bldg Equip & Sys	3.25%
Meier Tobler Group AG	CHF	Comml & Res Bldg Equip & Sys	2.59%
Mersen SA	EUR	Specialty Chemicals	3.17%
Micron Technology Inc	USD	Semiconductor Devices	3.64%
Monolithic Power Systems Inc	USD	Semiconductor Devices	3.12%
Nibe Industrier AB	SEK	Comml & Res Bldg Equip & Sys	1.65%
NIDEC CORP	JPY	Electronics Components	3.14%
Omron Corp	JPY	Factory Automation Equipment	2.61%
Owens Corning	USD	Building Materials	4.36%
Redeia Corp SA	EUR	Electric Transmission & Dist	2.90%
Rockwell Automation Inc	USD	Industrial Automatisation Controls	3.32%
ROCKWOOL A/S	DKK	Building Materials	3.29%
Samsung SDI Co Ltd	KRW	Electronics Components	2.37%
Schneider Electric SE	EUR	Electrical Power Equipment	3.23%
Siemens AG	EUR	Diversified Industrials	2.92%
Signify NV	EUR	Comml & Res Bldg Equip & Sys	2.78%
STMicroelectronics NV	EUR	Semiconductor Devices	2.97%
Telefonaktiebolaget LM Ericsso	SEK	Communications Equipment	3.12%
Tokyo Electron Ltd	JPY	Semiconductor Mfg	3.90%