

Environmental

The MCH Group invests continuously in the optimisation of its ecological indicators, including in its buildings and systems, in logistics and in the production of stands and equipment. The company promotes the environmentally aware behaviour of its employees at their workplace and provides the necessary resources for further reducing the burden on the environment.

The MCH Group is the owner of the exhibition sites in Basel and Zurich. Its reporting on energy consumption and emissions is thus focused on these exhibition grounds. As “production locations”, these account for the biggest share of the company in respect of energy efficiency and emissions and are thus of major relevance for the environment. A further focus is on the exhibition and stand structures supplied by Expomobilia, whose sustainability strategy and sustainability measures are important for a large number of customers.



Giardina

Messe Basel and Messe Zürich

Photovoltaic systems

A photovoltaic system was installed on the roof of Hall 1 in Basel in 1999 already, making it possible to use solar energy. Vegetation was also planted on the roof in conjunction with this. The panels have an area of 1,900 m² and an output of 215,000 kWh per year. A system four times this size was set up on the green roof of the new Messe Basel complex which was completed in 2013. This photovoltaic system, which was installed in cooperation with an investor, feeds approximately 1,080,000 kWh electricity each year into the grid of the Industrielle Werke Basel (IWB), which took over the system in 2014. The MCH Group also supports the "Wettstein 21" platform, which was responsible for the installation of a further photovoltaic system on the roof of the Congress Center Basel. This was completed at the end of 2014 and delivers around 180,000 kWh electricity each year. The roof space was made available free of charge.

Since 2009 a photovoltaic system with a panel area of 1,200 m² and an output of 150,000 kWh per year has been in operation on the roof of Messe Zürich.

“ Of the overall energy requirements of the exhibition sites in Basel and Zurich, 87.8% are met by renewable energies. “

Minergie certificate

For the new complex at Messe Basel that was completed in 2013, great value was attached to attaining the maximum possible energy efficiency. The new complex satisfies stringent energy standards in respect of both the insulation of the shell and resource-saving generation of the necessary heat and refrigeration energy. All heating, ventilation and refrigeration systems are operated only when required, and the majority of the waste heat generated is used.

The Basel-Stadt Minergie certification agency has awarded the new Messe Basel complex the BS-054 Minergie label, which was developed especially for the new exhibition hall building at Messe Basel. In addition to this, the target values of SIA Standard 380/4 are met with regard to lighting and ventilation/air-conditioning.

Logistics

Delivery traffic to the MCH Group's exhibition and congress site is steered via a checkpoint-based system. An online logistics tool has been developed in Basel to support this system. All journeys made to transport goods to and from the exhibition site must be registered in advance for a specific time slot. Drivers are required to proceed to a checkpoint, from where their lorries will be directed to the delivery zone of the hall in question at the specified time, via a specified route. The vehicle then has to be unloaded/loaded within a set period of time. To ensure that this process can be steered in the optimum manner, all movements on the exhibition site are performed by Messe Basel's logistics partner.

Waste management

Waste disposal at the events is organised according to the "polluter-pays" principle, with waste being sorted and disposed of in the correct manner.

Transport

The MCH Group promotes the use of public transport to its events by offering a range of special tickets in partnership with SBB RailAway and Deutsche Bahn DB.

Exhibition & Event Structures – Expomobilia

Expomobilia places great value on ensuring that stand structures have a long life and can be re-used many times over. This it achieves, among other things, by using a wide range of materials incorporating re-usable or biologically degradable components, as well as lights equipped with long-life bulbs.

“ Expomobilia designs and implements exhibition and event structures that have a long life and can be re-used many times. ”

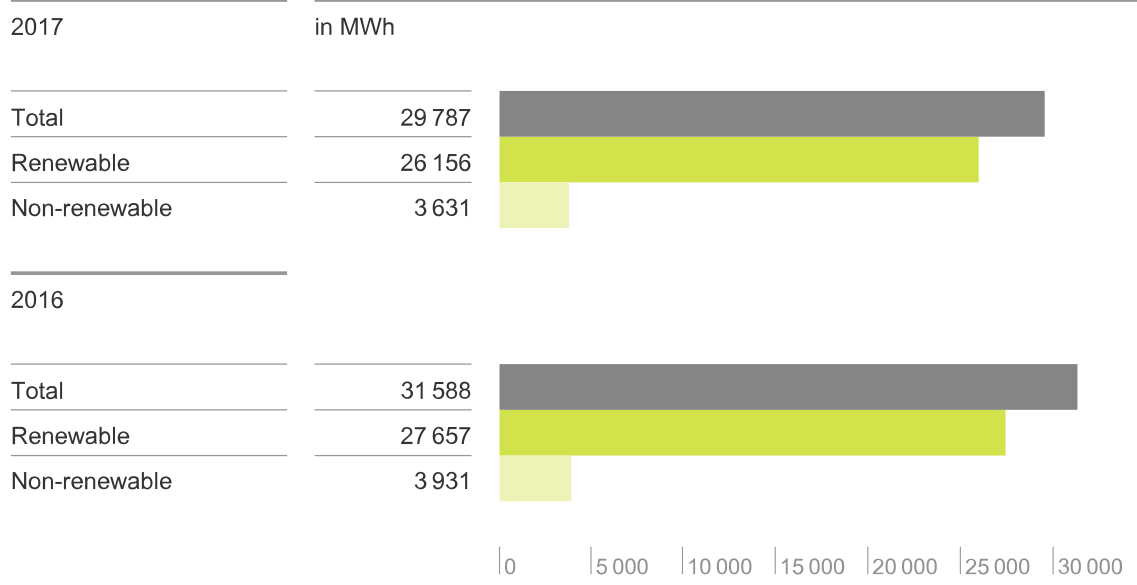
Expomobilia operates two photovoltaic systems at its sites in Effretikon and Fehraltorf with a total surface area of 3,000 m². These generate approximately 435 MWh per year. Since 2014, Expomobilia has covered its entire electricity requirements with Swiss green electricity obtained from FAIR POWER, an independent green electricity specialist. The FAIR POWER certificate guarantees that this electricity has been generated ecologically and is fed into the grid for Expomobilia. The CO₂ share from hydroelectric power generation is fully offset by the Fair Recycling Foundation.

Expomobilia acquires the heat it needs for its company buildings from the district heating network run by the Canton of Zurich's electricity utility.

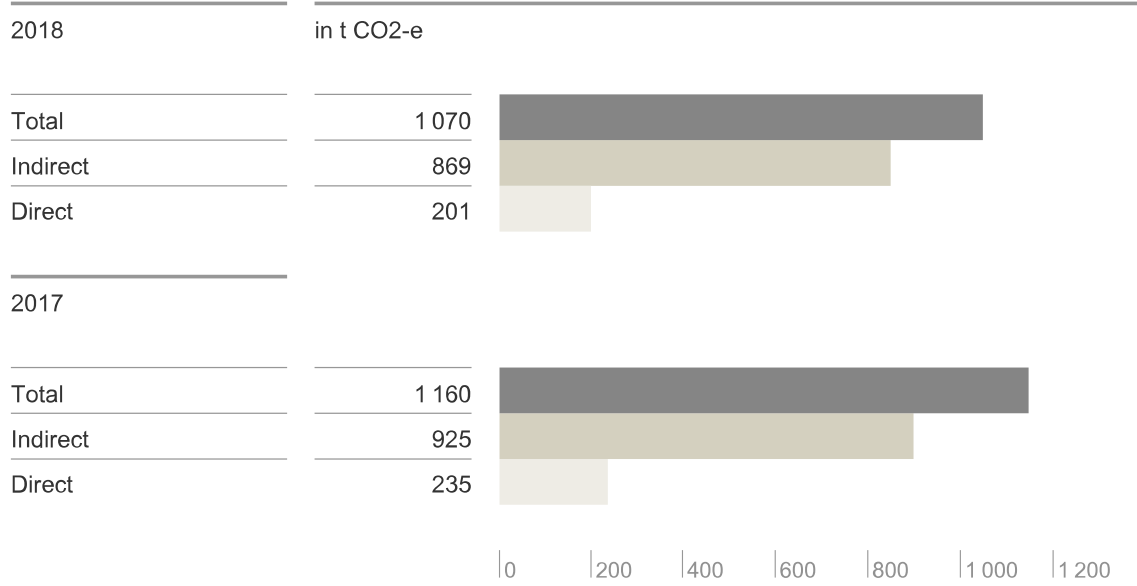
Energy consumption and emissions

Messe Basel and Messe Zürich (including administration buildings)

Energy consumption Messe Basel and Messe Zürich



Emissions Messe Basel and Messe Zürich



Overall energy consumption at Messe Basel and Messe Zürich in 2018 fell by 5.7% compared with 2017 (2018: 29,787 MWh; 2017: 31,588 MWh) and emissions fell by a total of 7.8%. This is not due solely to the number of events (2018: 54 exhibitions; 2017: 56 exhibitions).

Compared to 2017, the number of heating degree days fell by around 10%, which is reflected in the reduction in district heating and heating oil consumption at both locations. In the case of emissions, the direct emissions (heat) have fallen, in particular. These are 14.5% lower than for 2017.

Of the overall energy requirements at the exhibition sites in Basel and Zurich, 87.8% are met by renewable energies (total: 29,787 MWh, of which 26,156 MWh are renewable).

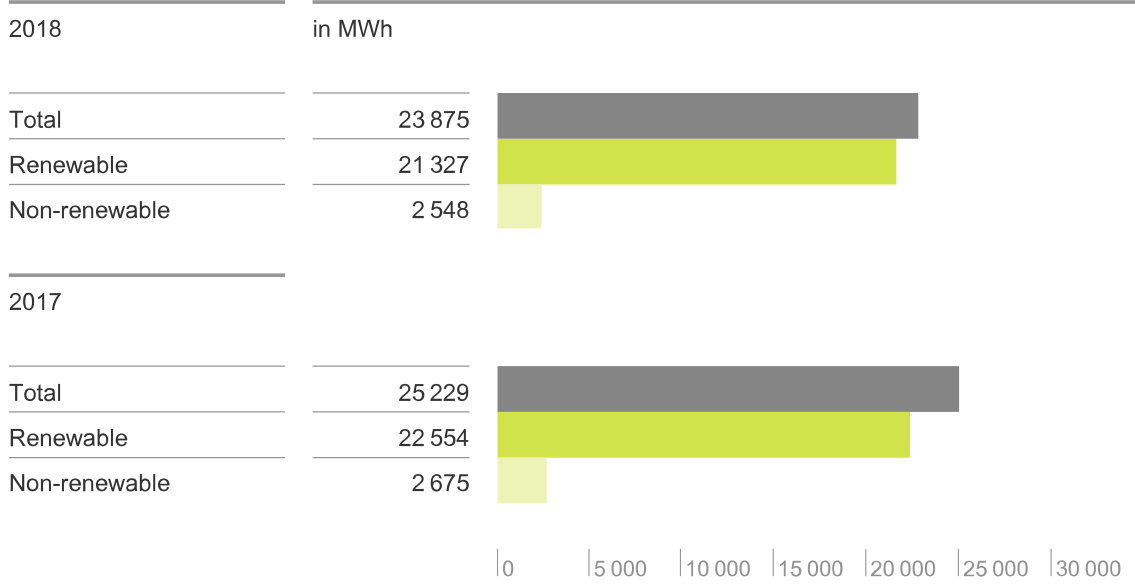
Messe Basel

Messe Basel has exhibition space totalling 141,000 m², of which 122,000 m² is in the two main halls 1 and 2. The Congress Center Basel also belongs to Messe Basel, with 25 rooms and capacities for up to 5,000 people, as does the Musical Theater Basel which seats 1,500. The north section of Hall 1 was brought into operation in 1999 and the south section in 2013. The entire complex satisfies stringent functional and operational requirements. The new complex brought into operation in 2013 is certified with the Minergie Label BS-054.

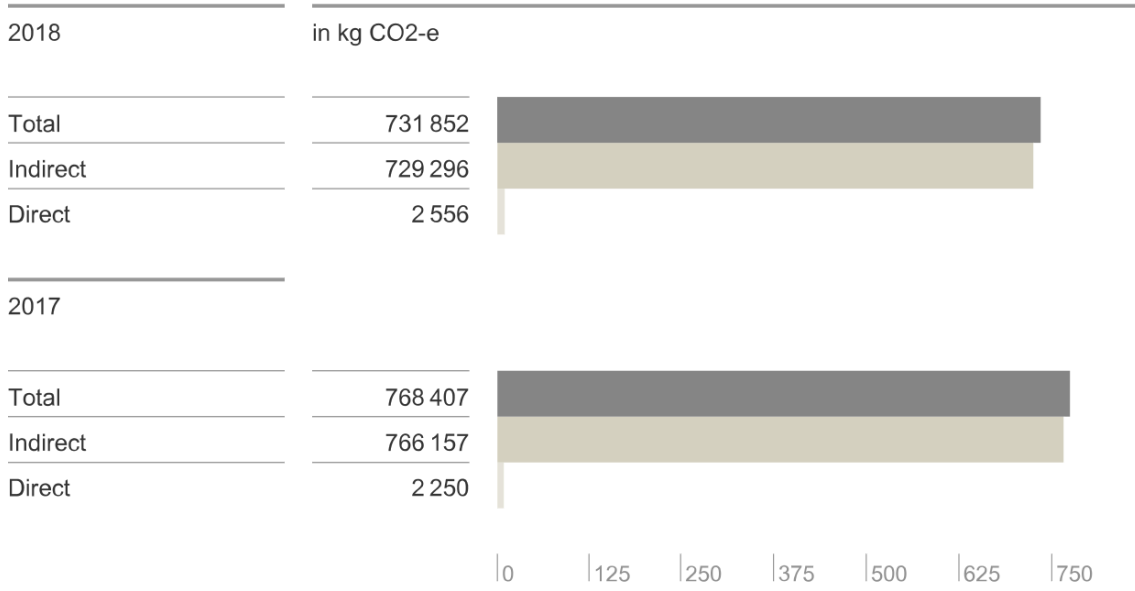
Key Figures	2018	2017
Exhibitions	17	21
Exhibitors	3 940	4 881
Visitors	660 334	747 865
m ² exhibition area	508 541	501 719
Other events	381	358
Visitors	344 095	370 437

Energy and emissions

Energy consumption Messe Basel (without administration)



Emissions Messe Basel (without administration)



Energy consumption at the exhibition location of Basel in 2018 fell by 5.4% compared with 2017 (2018: 23,875 MWh; 2017: 25,229 MWh).

Emissions in 2018 fell by 4.8% compared with 2017 (2018: 731,852 kg CO₂-e; 2017: 768,407 kg CO₂-e).

Direct emissions increased in 2018 (13.6%), due to higher oil consumption for the emergency power systems (2018: 2,556 kg CO₂-e; 2017: 2,250 kg CO₂-e).

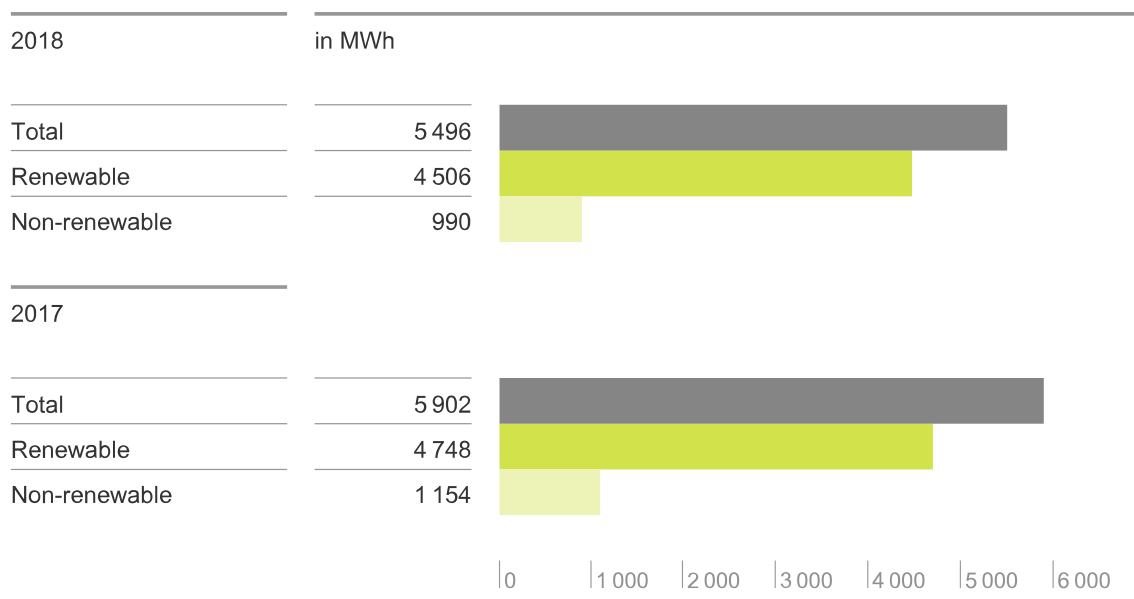
Messe Zürich

Messe Zürich has exhibition space totalling 30,000 m². Some 27,000 m² are located in Halls 1 to 7 in the main building, while the separate hall, Hall 9, totals around 3,000 m². The main building additionally has seven smallish conference rooms for 30 to 80 people. Messe Zürich also includes Theater 11 Zürich seating 1,500. The main exhibition building, which was commissioned in its present form in 1998, is characterised by its operational functionality, which is reflected in a very high capacity utilisation. Since the 2016 reporting year, Hall 9 has been made available to the Asyl Organisation Zürich (AOZ) for the accommodation and care of around 250 refugees.

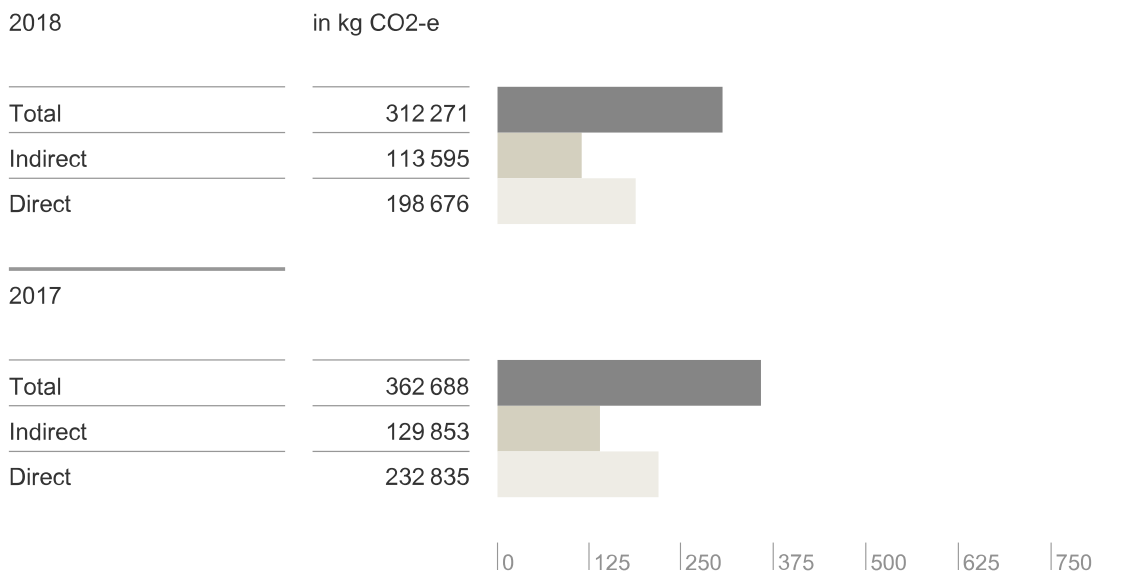
Key Figures	2018	2017
Exhibitions	37	35
Exhibitors	5 637	5 675
Visitors	610 274	609 713
m ² exhibition area	364 883	360 643
Other events	488	501
Visitors	217 500	211 660

Energy and emissions

Energy consumption Messe Zürich



Emissions Messe Zürich



Energy consumption at Messe Zürich fell by 6.9% (2018: 5,496 MWh; 2017: 5,902 MWh). For emissions, an overall decline of 13.9% was recorded in 2018 (2018: 312,271 kg CO2-e; 2017: 362,688kg CO2-e). Indirect emissions (electricity) fell by 12.5% and direct emissions (heat) by 14.7%. Reductions have been registered in the consumption of heating oil, petrol and district heat, in particular.

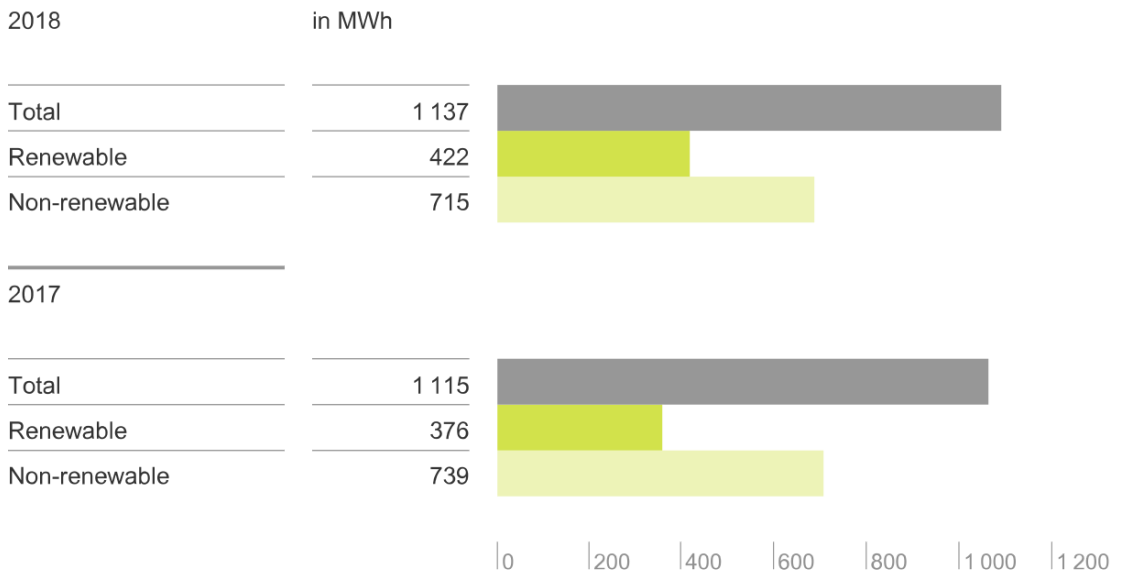
Expomobilia

Expomobilia, which was founded in Switzerland in 1973, specialises in exhibition stands and event structures – in their design, concept, production and assembly. The production operations, from the inscription workshop through to the metalworking unit are all located under a single roof and closely networked with each other. In 2018, Expomobilia implemented 343 projects, 198 of which were in Switzerland (2017: 307 / 220 Most of these projects involved the full range of services, from design through to production and assembly.

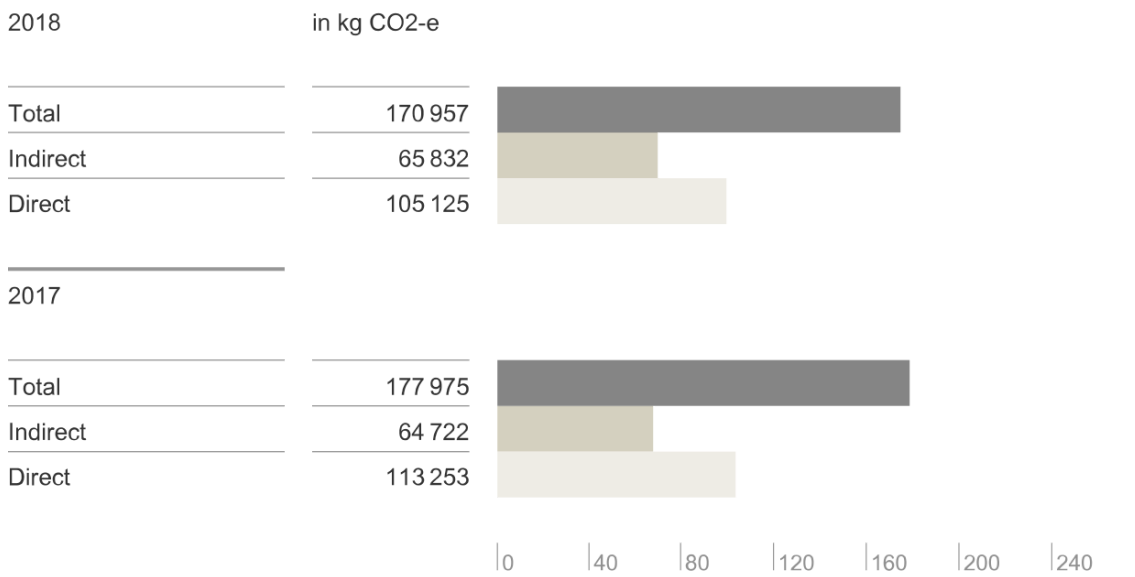
In 2018, Expomobilia AG was renamed MCH Live Marketing Solutions AG. The business unit and the brand of Expomobilia will continue to exist within the new company.

Energy and emissions

Energy consumption Expomobilia



Emissions Expomobilia



Energy consumption at Expomobilia increased by 2% in 2018 (2018: 1,137 MWh; 2017: 1,115 MWh). The electricity consumption rose (12%). Emissions in 2018 fell by 3.9% (2018: 170,957 kg CO₂-e; 2016: 177,975 kg CO₂-e). The main reason for this is the considerable reduction in the amount of emission-intensive heating oil used (-13%).