



ENVIRONMENTAL PROTECTION

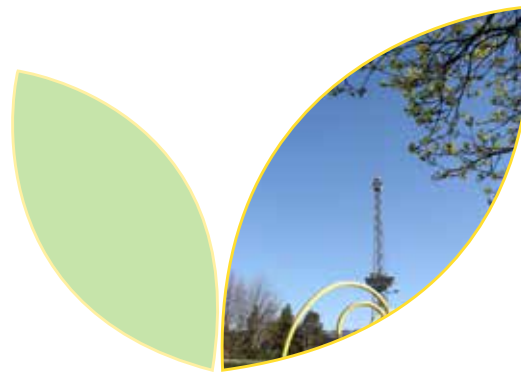
at Messe Berlin GmbH



 Messe Berlin

What Messe Berlin and its subsidiaries do to help protect the environment.

Messe Berlin places a high priority on protecting nature and conserving natural resources. The company makes every effort to use resources sparingly and practice environmental protection based on the principle that economic thinking and actions can achieve environmental benefits.



Energy efficiency and conserving resources

The optimization of energy consumption has always been a major concern of Messe Berlin, in which we continuously invest.

- 2 combined heat and power plants on the Messe Berlin grounds are an economical, environmentally-friendly energy source.
- As a result of careful energy management and targeted investments, the amount of fuel used for heating and air conditioning from 2005 to 2013 was reduced by 23% and CO2 emissions were lowered by 27%.
- More than 30% of the electrical power required by Messe Berlin is produced by environmentally-friendly combined heat and power (CHP) systems. Over 40% of the heat energy is produced by burning carbon-neutral wood pellets.
- The exhibition halls are equipped with heat recovery systems, i.e. all remaining heat is utilised, none is lost into the atmosphere.
- Messe Berlin strictly adheres to its energy-saving policy; here a few examples: Minimum heating/air conditioning during construction and dismantling times. Preparations and follow-up are consistently based on the energy coefficients of the various facilities. In addition, consumption is documented and evaluated in order to identify the potential for optimization and to help implement further energy-saving projects.
- All lighting units in the halls are being replaced by energy-saving T5 fluorescent lamps. A switching concept for external lighting is being applied to achieve energy optimisation. Regulators and presence detectors which depend on external light are currently being retrofitted. The Radio Tower and other external lighting have been switched to LEDs.
- We are currently assessing whether "green gas" can be used on the exhibition grounds.
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Water

- The Messe Berlin grounds have many rainwater seepage facilities which enable rain to be returned to the groundwater after natural purification.
- Of course all wastewater passes through separators (for oil etc.), before entering the sewers.

Waste Management

For many years Messe Berlin has been consistently applying the principles of waste separation during its events:

- Use of separate containers for cardboard/paper, glass, packaging and other waste in public areas.
- Separate collection of useful materials when disposing of exhibition refuse: wood, cardboard/paper, glass, plastic films and light packaging.
- Leftover food is of course collected separately.
- When selecting recycling or disposal plants, consideration is given not only to the plants' efficiency but also to their distance from the exhibition grounds, in order to minimize fuel consumption and the emission of pollutants.
- The waste disposal company selected by Messe Berlin has ISO 9001 certification and uses state-of-the-art waste disposal systems and equipment.
- Waste consumables such as lighting equipment and batteries are, of course, collected and recycled.
- Messe Berlin has switched to FSC paper for all notepaper and copy paper.
- We encourage the separation of waste in our employees' offices.





Cleaning and winter services

- We use biodegradable chemical cleaning products.
- The cleaning company appointed by Messe Berlin is ISO 9001 and 14001 certified.
- We place particular emphasis on recycling systems; our mechanical equipment is predominantly electrically powered.
- Salt is only spread on areas where there is an increased risk of accidents; in all other cases we use sand and grit.

Care of green spaces

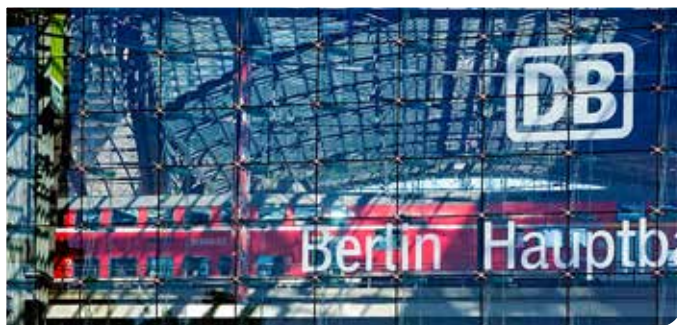
- Soil samples are taken prior to any application of fertiliser in order to determine the required amount.
- Automatic irrigation ensures that the amount of water used is consistent with the requirements of the gardens and green spaces.
- Beneficial organisms are used instead of chemical pest control.





Mobility and regionalism

- Direct access to the exhibition grounds from the largest public transport network in Germany means that getting here is always quick, easy and environmentally-friendly. There are taxi ranks, underground/light rail stations and bus stops near every entrance.
- We work together with Berlin's Traffic Management Centre to optimize traffic flows.
- In cooperation with Deutsche Bahn, Messe Berlin offers attractive special rates for train tickets to selected trade fairs in Berlin.
- Messe Berlin recommends public transport to all exhibitors and visitors.
- Discount monthly passes are made available to encourage the use of public transport by Messe Berlin employees.
- Of course the entire vehicle fleet has been certified in accordance with European standards. Company bicycles are also provided.
- Berlin/Potsdam is the German centre for testing the everyday use of electric vehicles. As part of this process, power supply points were installed also on the Messe Berlin exhibition grounds.
- When sourcing domestic products we do our best to ensure that delivery distance is minimized, and we prefer items sourced in Asia to be delivered by sea.



Logistics

- Together with our logistics partners we developed a new traffic management system to optimize deliveries during construction and dismantling times. This system enables users to register for a delivery timeslot, thus eliminating unnecessary waiting times at the exhibition ground entrances. This precise planning tool leads to a significant reduction in CO₂ emissions and noise levels.

Catering

The requirements of our exhibitors and event organisers have a significant impact on our subsidiary, Capital Catering GmbH (CCG), and the services it offers. Depending on the season, local fruit and vegetables can be provided on request, thus minimizing delivery distances and fuel consumption. Organic produce can also be supplied on request.

Capital Catering GmbH follows the following ecological principles:

- CCG uses re-usable tableware only. If organisers request disposable tableware, CCG supplies compostable tableware and wooden cutlery.
- PET bottles are collected or, alternatively, water dispensers can be made available.
- All the pass-through dishwashers are equipped with reverse osmosis units to reduce water consumption.
- Care is taken to ensure that all new kitchen equipment is designed to conserve water and energy.
- Individual, pre-packed portions are restricted as far as possible in order to reduce waste.

