

# SUSTAINABILITY

Wherever they are in the world, let people enjoy the pleasure of real ice. That's what's driven us for 30 years now. And we do it by selling and renting ice rinks for recreation and sport. Skating brings people together and gets them moving. A recreational ice skating rink is a symbol for conviviality, livening things up and connecting young and old. An ice rink energises people.

## OUR GREEN ICE RINKS



We generate electricity for our own use through 6000m<sup>2</sup> of solar panels.



Our patented system uses up to 40% less energy than other ice rinks.



Every European ice rink is cooled with green electricity from wind turbines.



We compensate all the CO<sup>2</sup> we release during transportation by buying carbon credits.

Obviously, operating an ice rink uses energy. And as market leader, we consider it more important than ever to operate in an energy-efficient and environmentally-friendly way. And we'd love to tell you a little bit more about how we do that.

### UP TO 40% LESS ENERGY CONSUMPTION

Our patented system means that both our indoor and outdoor ice rinks use up to 40% less energy. Aluminium transfers the cold to the water far quicker, cutting energy costs. And because the aluminium pipes lie in the water, no energy escapes through the cold ground.

### GREEN ENERGY

Every year since 2009 we have compensated the energy consumption of every European ice rink we build by purchasing GOs from Groenbalans (the Green Balance Group). Our own offices are also energy self-sufficient, with 6000m<sup>2</sup> of solar panels on the roofs of our head office, warehouse and workspace in the Netherlands. And because we don't use all the energy that generates, we also supply electricity back to the power grid.

## REPORTS

Ice-World commissioned the engineering firm, Sparkling Projects, to measure scientifically our energy savings. TNO/TÜV checked the calculation models and tested various products in their laboratories. Both TNO and TÜV concluded that an Ice-World ice rink saves up to 40% in energy costs.



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### 100% CO<sup>2</sup> COMPENSATION

We compensate all CO<sup>2</sup> released during transportation (boat/cargo/aircraft) by buying carbon credits via VNV Advisory. In our case, we thereby also contribute to Salt Farmers in India. The salt farmers use financial contributions to pay for solar panels and electric pumps, so they can replace their diesel pumps. This also helps towards a better environment.

### ISO CERTIFIED

Naturally, we also have official certification to confirm that we do things the right way. We are ISO 14001 environmentally certified. We manufacture, rent, sell, assemble and dismantle our ice rinks sustainably. The aluminium and other components are all recycled, and storage of coolants is carried out in line with regulations.

Where possible, we work with recycled production materials and alternative fuels. For wooden boarding, we use certified wood from sustainably managed forests. And finally, the quality of our services is tested every year and we are ISO 9001 certified.



### ENVIRONMENTALLY-FRIENDLY COOLANT

The ice rink water is cooled using the environmentally-friendly coolant, monopropylene glycol, or glycol for short. Almost 100% of this coolant is recycled. It is also completely biodegradable, so even in the event of a leakage it won't harm the environment.

### AND FINALLY...

We only ever collaborate with suppliers who consider sustainability a top priority, and we always try to find multifunctional, energy-efficient solutions. Ensuring we are helping create a world where people can enjoy skating responsibly on an ice rink with real ice.

### WANT TO KNOW MORE?

If you have questions, need more information or have a request we can help you with, just let us know via [sales@ice-world.com](mailto:sales@ice-world.com).

### DID YOU KNOW...

1. Every autumn we organise an Ice Master course? We instruct the ice masters in how to maintain the ice, but also provide tips on how this can be done as energy-efficiently as possible.
2. The ideal ice thickness is 7cm? With higher outdoor temperatures or wind, the track becomes wet if the ice is too thick. With thicker ice, the chiller also uses more energy. And afterwards, thawing thick ice uses extra energy.
3. You can be skating on a recreational ice rink in just 24 hours? Faster installation and dismantling also mean less energy consumption.