

The Optimization of Ice-Worlds' Wooden Boarding System for Recreational Ice Rinks

A new take on the current situation.

Problem

Ice-World International is the Dutch market leader in rental ice rinks with 56 rinks rented out in 2018-2019. In the last five years, the amount of rental ice rinks has almost doubled. With the increasing market, Ice-World thought it was time for an upgrade of their boarding system. The current wooden system has seen no significant innovations for the last 15 years. Several problems identified during the analysis were: safety, storage and transport volume, fitment, sponsoring capabilities and lifespan.

Solution

Optimized Storage and Transport

The storage volume of new system is 75% lower compared to the old system.

Sustainability

The system is made from 100% recyclable materials – including galvanized steel for the support and base and Platowood for the planks.

Twice the Sponsoring capability

The system offers customer twice as much surface area for sponsoring due to a symmetric design and placing the stand on the side of the panel.

Perfect Fit

The system is built to fit the need of every customer. Unlike other boarding systems, the different sized panels of system can easily create any standard sized ice rink.

Finish

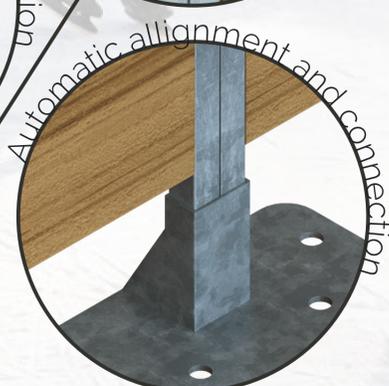
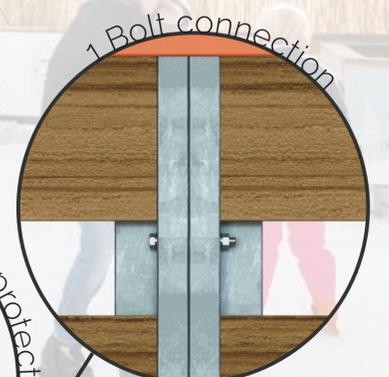
The panels are constructed in such a way that hardware is not visible for the users inside the rink - creating a very clean and high quality look.

Safety

The dimensions and gaps of the system are chosen in such a way that they are as safe as can be and that no person is able to slide underneath the boarding.

More Ice

The system is constructed to be placed both on top of and underneath the ice, providing an extra 9m² of ice.



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The optimization of Ice-Worlds' wooden boarding system for recreational ice rinks.
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Intergrated Product Design

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