



- MAX AICHER ARENA
Inzell, DE

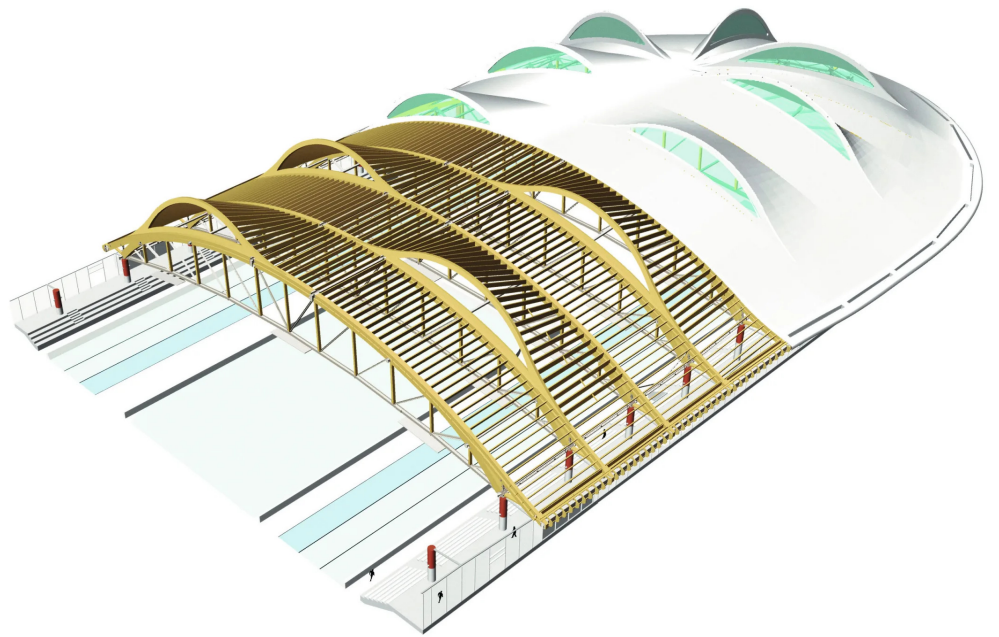
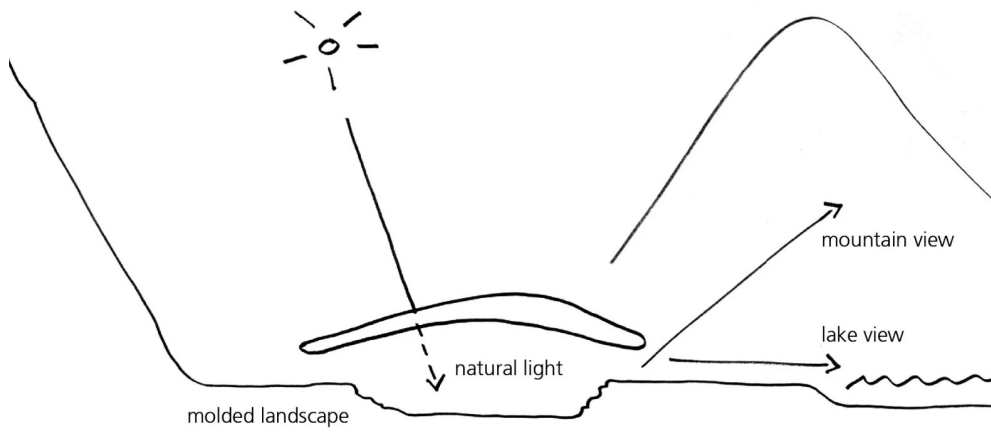
2008–2011

The Max Aicher Arena is an indoor speed skating venue in Inzell that combines cutting-edge engineering with Bavaria's historic context and breathtaking scenery. The roof plays a critical role in optimizing the stadium's energy use.

#daylightoptimization
#innovation

arena

sports & leisure

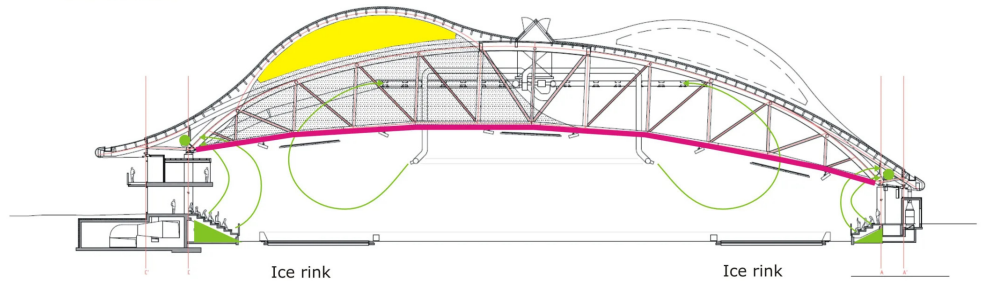


Roof Diagram



daylight
North faced shed roof for glare-free natural light to lower electrical power of artificial light

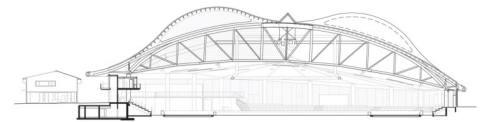
Low-e mirror
low emissivity layer to avoid water condensation and reduce ice cooling power



Separated ventilation systems
spectator area with displacement ventilation and athlets area with mixed ventilation with no air coupling between as possible

Dehumidification by sorption
powerful dehumidification process with 1 g/kg absolute humidity of the supply air to dry moisture input by ice maintenance, spectators and ambient air

Climate Concept by Transsolar KlimaEngineering



Section AA

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2008–2011

CLIENT
Gemeinde Inzell

ARCHITECTS
Behnisch Architekten

ADDRESS
Reichenhaller Straße 79
83334 Inzell
Germany

GROSS AREA
20.750 qm / 223,351 sq.ft

GROSS VOLUME
308.237 cbm / 1,088,529 cu.ft

COMPETITION
2008

PHOTOGRAPHY
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PHOTOGRAPHY
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