



AST Ice and Solar Technique

Absorber System Technology

The company AST Eis- & Solartechnik in Reutte/Tirol has been identified with Absorber System Technology and has been in the market since 1986.

An Absorber is a matt consisting of small tubing through which water i.e. a water-antifreeze mixture flows.

The high quality EPDM absorbers make up the heart of the AST production palette. This contains solar absorber units for the heating of swimming pool water, permanently installed ice rinks, mobile ice rinks, artificial turf heating and ski jump refrigeration.

AST Solar Absorber Units

40 million kWh of free thermal energy a year! Over 400 communal solar absorber units in sizes between 150 – 2000 m² for the heating of public outdoor swimming pools have already been installed. With more than 125,000 m² of laid absorber surface, AST customers have gained around 40 million kWh of thermal energy. 14 tons of CO₂ are expelled every year – this energy would have to be created through fossil fuels.

AST Artificial Ice Rinks – permanently installed or mobile

Since 1991 AST Artificial Ice Rinks have been planned, delivered and installed on the basis of the absorber technology. The high-quality absorbers consist of a large surface enabling the most efficient dispersion of the refrigeration energy. The AST Artificial Ice Rink System belongs to the most energy saving ice rink systems on the market.

Ice Hockey Boards and Ice Maintenance Machines

International production companies round out the product palette of AST in the area of ice sport. With the invention of the AST Icebox (ice rink module), artificial ice rink can be mobile produced in all sizes. The mobility allows the rental of ice rinks. 132,00 m² of ice surface is available each year for rental purposes.

AST Ski-Jump Refrigeration

The ski-jumps at Oberstdorf, Willingen, Harachov, Planica and Holmenkollen have been supplied with a refrigeration of the jump track. Ski-jump events are therefore secured and the conditions for the jumpers remain the same throughout the competition.



AST Artificial Turf Heating

With AST's turf heating system football fields are kept clear of snow and ice. The heating system lays just 60 cm below the playing surface and reacts very quickly to climate changes (Red Bull Football Stadium in Salzburg).

AST Déjà vu

AST units are internationally represented and practically everyone has heard of an AST project. The Wiener Eistraum (Vienna Ice-Dream), the skating rink at the Eiffel Tower in Paris and the ice rinks on the largest passenger ships of the world belong to the best known international AST references. There is probably an AST ice rink near you or you no doubt swim during the summer in a public pool that is heated with an energy efficient AST solar unit.

In the last 10 years 2500 projects in 36 countries of the world have been realized. AST is therefore the largest absorber manufacturer in Europe and at the same time market leader of mobile artificial ice arenas.

AST customers include organizational committees of ice hockey world championships, ice skating world championships (2004 in Dortmund, Germany), European Championship Lyon 2006, Red Bull, Coca Cola, Katarina Witt as well as countless communities and cities.

AST is certified according to ISO:9001:2000

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