

## High efficient refrigeration system installed by Accent Refrigeration Systems changed Japanese curling rink business

In 2005, my first curling rink was built in Yamanashi Prefecture, Japan. Curlplex Fuji, included a high efficient refrigeration system and Computer Control System which were designed by Accent Refrigeration Systems of Canada.



The facility has since successfully maintained a total energy consumption of 53kcal per square meter including lobby heating, refrigeration, dehumidification and air conditioning even during

the hot summer season. All of the heat in the lobby area is provided from the refrigeration system waste. The operating costs were lower than any other similar system in Japan because of this high efficient system. Curlplex Fuji has become the ideal case for operational cost savings for a curling rink in our country.

In October 2007, Curlplex Obihiro was opened in Hokkaido, the Northern island of Japan. The refrigeration system, air conditioning, dehumidification and heating system in this facility were also designed by Accent Refrigeration Systems. This facility also included a large ice storage which is frozen in the winter and used to reduce refrigeration costs in summer. This is the only one of its type in the world. This facility is now the most efficient in Japan and perhaps the world.



The two facilities have been able to reduce operating costs, and require very little maintenance. Members at both rinks know the difference in the ice quality compared to other curling

clubs in Japan. We are very proud of our systems that were designed in Canada.

Thanks to Accent Refrigeration Systems, the curling rink business has a bright future in Japan.

*Hiroshi Kobayashi*

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