



## Ice rinks

Ice hockey is a major, national sport in the Czech Republic. It is no surprise, therefore, that there are some 160 ice rinks throughout the country. Eight of the more modern of these were constructed using the ASTRON system and a further three buildings, based on ASTRON, are planned for completion by the end of 2004. ASTRON offers cost-effectiveness, design flexibility and rapid construction.



The Czech city of Hradec Králové was chosen to host the 2002 World Junior Ice Hockey Championship. In order to provide top class facilities for the participants, Czech builder B.C. Building Centrum, an ASTRON Builder since 1997 and with considerable experience in building ice rinks, was awarded a contract for a new 2,986 m<sup>2</sup> facility in the city center. The project was challenging, not only due to its location but also to the many technical demands. Together with ASTRON, however, the Builder successfully met all the requirements of the customer. This building won ASTRON's January 2002 "Building of the Month".

Many of the country's 160 ice rinks are old, uncovered facilities which no longer meet today's technical requirements. Their operation is hampered by weather and the excessive cost of maintaining the ice.

ASTRON offers design flexibility, modern appearance and a cost-effective solution to energy consumption for new ice rinks... or even the ability to build over existing facilities in many situations! All contributing to better conditions for players and greater comfort for spectators in the future.



### Technical details:

Construction year:	2001
Type:	AZM1
Dimensions:	75.4 m x 39.4 m
Span:	40 m
Surface:	2,986 m <sup>2</sup>
Height to the gutter:	9.0 m
Roof slope:	10.0 %
Roof system:	PRE (A01)
Wall system:	PAQ (K21)

### General information:

Builder:	B.C. Building Centrum
Customer:	The City of Hradec Králové
Architect:	Ing. Arch. Karel Schmied

### Advantages of covered ice rinks:

- Economical effect (cutting energy costs)
- Longer season (for approx. 2-3 months)
- More comfort for both the players and the spectators

### Advantages for the customer:

- One supplier
- Fast implementation of the project
- Freedom of internal layouts
- Good price/quality ratio
- Excellent quality
- ISO 9001 - Certification

### A glance on more references



The stade of **Neratovice (Cz)** was realized in 2002 by B.C. Building Centrum. Its dimensions are: 69.00m x 45.00m, height: 9.80m.



**Lørenskog (N)** is a ice hockey stade, built in 1987 by builder Gunnar M. Backe.  
Type: AS 50m span, eave height: 9.10m  
Surface: 3,350 m<sup>2</sup>



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