

Press release

Olympic gold for KNX

Olympic venues and the world's largest airport building realised with KNX technology

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Now that the Olympic Games in China are over, the athletes are not the only ones who are celebrating: a gold medal goes to KNX technology too! It came through its Olympic debut with flying colours. The Olympic stadium (the “Bird’s Nest”), the Olympic swimming arena (the “Water-Cube”) and the largest airport building in the world (Terminal 3 at Beijing Airport) are all controlled using KNX technology.

The main arenas used at the Olympic Games in Beijing are automated with KNX technology. In the spectacular “Bird’s Nest”, for example, operating data from all electrical components are gathered and monitored via KNX. And the entire lighting system is controlled by KNX. That includes the stunning lighting displays which were enjoyed by billions of viewers around the globe at the opening and closing ceremonies of the 29th Olympic Games. The same goes for the world’s largest aquatics centre, in which the organisers of the Games invested 100 million euro. This building, too, conceals no shortage of KNX technology, for example for time control and regulation of energy consumption. The wide-ranging lighting effects in the building envelope of the swimming arena are also created using KNX. In short: KNX is fully “Olympic-tested”!

More than 11,000 KNX devices went into the construction of Terminal 3 at Beijing Capital International Airport. They regulate the lighting, air-conditioning and heating systems, and transmit error messages. Beijing Airport’ Terminal 3, which boasts an area of 986,000 square metres, is the largest airport building in the world. It opened in February 2008. That means that China’s two most important airports – Shanghai and Beijing – are now both equipped with KNX technology.



Fig. 1: The “Bird’s Nest” conceals intelligent KNX technology



Fig.2: The world's largest airport building is equipped with KNX building control technology.

KNX Association is the creator and owner of the **KNX** technology – the worldwide STANDARD for all applications in home and building control, ranging from lighting and shutter control to various security systems, heating, ventilation, air conditioning, monitoring, alarming, water control, energy management, metering as well as household appliances, audio and lots more. **KNX** is the worldwide standard for home and building control with a single, manufacturer independent design and commissioning tool (ETS), with a complete set of supported communication media (TP, PL, RF and IP) as well as a complete set of supported configuration modes (system and easy mode). **KNX** is approved as a European (CENELEC EN 50090 and CEN EN 13321-1) and an International standard (ISO/IEC 14543-3). This standard is based upon more than 18 years of experience in the market including its predecessors, EIB, EHS and BatiBUS. Over 140 member companies worldwide from different application domains have almost 7000 **KNX** certified product groups in their catalogues. The **KNX** Association has partnership agreements with more than 30,000 installer companies in 80 countries.

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