

## CASE STUDY

# ASIAN GAMES, HANGZHOU: INTELLIGENT TECHNOLOGY FOR SPORTS MEGA EVENT

With its high-performance product solutions Datwyler is making a small but important contribution to the success of the 19th Asian Games in Hangzhou.

On 16th September 2015 the President of the Olympic Council of Asia (OCA) announced that the 19th Asian Games would be held in Hangzhou. Hangzhou will be the third Chinese city to host the Asian Games after Beijing and Guangzhou.

As the opening ceremony approaches Hangzhou has been stepping up the construction of infrastructure facilities and sports venues. Whether newly built or undergoing renovation, all the facilities and venues are not only being equipped with cutting-edge technology, but are also architectural masterpieces, constructed to the highest environmental standards. A sustainable low-carbon, energy-efficient design and appropriate IT solutions will ensure that the venues will be intelligent, multifunctional, open and beautiful.

### The Olympic Sports Centre

The Hangzhou Olympic Sports Centre covers a total area of almost 400,000 square metres. The main stadium at the southern end, also called “The Butterfly Lovers’ Stadium” to commemorate a local legend, can accommodate 18,000 spectators. It will be the venue for the World Basketball Championships. It can also be used for badminton, volleyball, table tennis, handball, gymnastics, boxing, martial arts, indoor football and other contests.

The indoor swimming pool is at the northern end of the Sports Centre. It is a professional sports facility for swimming and diving competitions which can accommodate



6,000 spectators. This is where the swimming, diving and synchronised swimming competitions will be held during the 19th Asian Games.

The “Jade Cong”, the facade of which was inspired by a neolithic jade artefact from the excavations near Liangzhu, is a centre for ball games of every description. Its 184,500 square metres comprise a training and handball hall, five further competition centres, a newsroom and residential accommodation for athletes, as well as public infrastructures, car parks, underground logistics and a lot more. The Asian Games will stage basketball, volleyball, handball, fencing and taekwondo competitions..

### The Canal Asian Games Park

The Canal Asian Games Park in the city centre is the only new build among the 53 arenas in Hangzhou available for the Asian Games. A business complex and parks as well as sports facilities were created on a total area

of 467,000 square metres. The sports facilities include a table tennis arena seating 7,000 and a hockey arena, known as the “Hangzhou Umbrella”, with 5,000 seats.

The new Park is equipped with state-of-the-art technology. It provides full 5G coverage and has a driverless shuttle system.

### The appropriate IT infrastructure

For decades in China Datwyler has been synonymous with premium quality IT infrastructure solutions coupled with first class service.

As a supplier to the 19th Asian Games Datwyler has delivered 500 kilometres of high-performance copper data cable, used to implement over 10,000 data connections in five of the most important venues: the Olympic Sports Centre the Jade Cong ball game centre, the

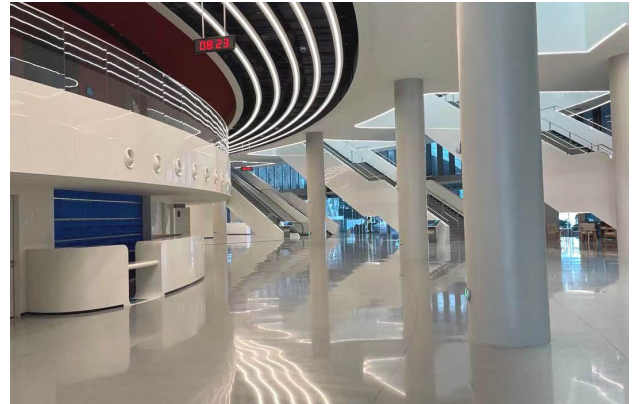
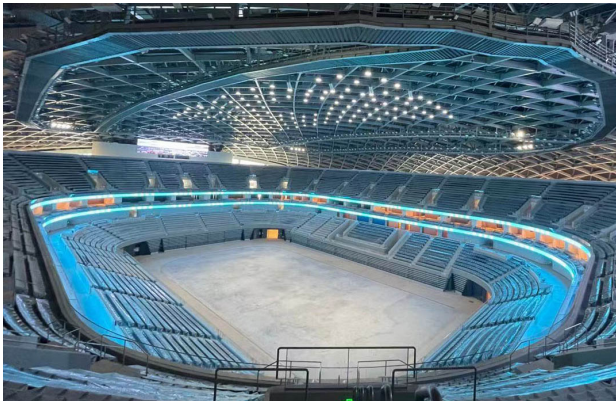


Table tennis arena and the Hangzhou Umbrella hockey arena.

On top of this there are 300 kilometres of single-mode fibre optic cable for indoor and outdoor use, each with between 4 and 288 fibres, depending on the requirement.

The cabling systems in copper and fibre optic technology form the basis for reliable interference-free transmission of all the data and applications during the coming Asian Games in Hangzhou. As well as communication technology in the narrow sense of the term, this also includes a conference system, camera surveillance, access control, the parking guidance system, intelligent lighting control and the information sharing system.

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