

## CASE STUDY

# SHANGHAI STADIUM, SHANGHAI: MILESTONE ON THE WAY TO A SPORTS METROPOLIS

The Shanghai Stadium is being extensively renovated and upgraded in preparation for the FIFA Club World Cup. The new IT infrastructure is supplied by Datwyler.

The renovation and upgrading of the Shanghai Stadium is the first and most comprehensive project in the re-development of the whole sports park in the business district of Xujiahui. It includes the basement, where restaurants, garages, machine rooms and loading and unloading areas are located, and the six above-ground floors with the spectator stands, VIP lounges, retail areas, plant rooms and many other facilities.

The People's Republic will host the FIFA Club World Cup at the end of 2022. The opening ceremony and the finals will take place in Shanghai. The modernisation of the Shanghai Stadium as a venue for the Club World Cup is part of China's efforts to make the largest city in the country into a globally famous sports metropolis by 2025. One of the objectives of the structural design is to allow spectators to see every corner of the field and so follow the game more easily. The number of seats will be increased from 56,000 to 72,000.

### Efficient and stable IT infrastructure

The establishment of a modern high-performance IT infrastructure forms an important element of this project. The Shanghai Jiushi Group, the owner of Shanghai Stadium, opted for a cabling solution, electronic patch panels and VCMP (Virtual Clustered Multiprocessing) system from Datwyler. This efficient and stable solution allows Datwyler to meet all the data transmission requirements during the FIFA Club World Cup.



### Effective software platform

The VCMP system is based on CABNAVI. Datwyler can thus provide Chinese users with an easy-to-use, intuitive and efficient platform for integrated cable management. The management platform was combined with "intelligent" electronic patch panels for this project. This means that the status of each of the 12,000 connections can be centrally monitored, and the ports can be switched on and off remotely.

For the new communications network the contractors involved installed altogether 580 kilometres of types CU 662 4P and CU 692 4P copper data cable plus around 140 kilometres of 12-fibre single-mode fibre optic cable from Datwyler's FO Indoor and FO Outdoor portfolio. Part of the project was handed over in December 2021. It is scheduled for completion in May or June 2022.