

## **Soccer world cup finals at the Olympia stadium in Berlin secured**

F. R. Hauk builds with assistance of Tousek company fully automatic gangways.

Only 9 weeks after contract assignment the 29 steel bridges over the journalists ditch at the Olympia Stadium in Berlin have successfully been completed. This journalist ditch has been subject to a lot of criticism. With a width of 2 meters and a depth of 2,7 m (upper edge of balustrade to ditch ground) between field and tribune/grandstand it may not be overcome easily by spectators in case of a emergency situation.

In order to provide additional rescue possibilities to the already existing rescue paths it was necessary to cut the balustrade for the installation of the bridges. This enables the spectators to be evacuated on time to the field in case of emergency. That was the task/conceptual formulation for the administration of the city planning senate in accordance with the security authorities. The ambitious and innovative contractor Franz Hauk accepted the challenge and received the assignment, with a new construction and mature technology with approved components.

For that purpose the company F.R. Hauk Stahl- und Leichtmetallbau GmbH based in Berlin produced together with TOUSEK company automatic self-supporting steel bridges. These are 2 meters wide and have an overhang of 2,2 meters. First installed beneath the grandstand they are only lowered in case of emergency electronically to the other side of the ditch by the central security team so that the spectators can run over the ditch to the field. The gates at the upper edge open automatically and with that enable the entrance to the bridges and form also the side walls. This procedure lasts approx. 15 seconds. During the game the entrances are closed so that the access of streakers or spectators is not possible.

This new technical construction works like a horizontal sliding gate with the exception that this custom product with a weight of 850 kg has to withstand a weight of 2 tons without bridge bearing on the opposite side.

Only the stability/firmness of the steel profile ROLLCO LWS120/1, the massive rolling gear units as well as the powerful Tousek PULL X/1 operator makes the ambitious technical construction of the steel and light metal constructor Hauk secure.

For TOUSEK the project in Berlin was also an entrepreneurial challenge but his mission statement – the success of his clients – was realised by that.

The time pressure for this assignment for TOUSEK and F.R.Hauk was enormous but the professional order processing, short communication channels between production and sales department as well as the good client contact made this project a success story.

All participants as well as the spectators of the soccer world cup finals can be happy about the outcome: the Olympia Stadium in Berlin has gained additional security.

But let us hope that the installed bridges will never undergo the case of emergency.