



Competence in Steel

Al Sadr-City-Stadium will be the biggest football stadium in Baghdad.

STRUCTURAL STEELWORK

MACHINE BUILDING

ENGINEERING

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Zeman is a reliable partner in difficult markets and for challenging projects. We are currently proving once at the new football stadium in Al Sadr-City in Iraq, where we are addressing the huge demand for modernisation and infrastructure in Iraq in spite of the tense security situation, to the main railway station in Vienna, or our fully automated welding robots, the most up-to-date welding technology in the world.

Your ZEMAN-Team

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What's new from ZEMAN Celik - the professionals for the manufacture of steel structures for general building construction in Turkey

New Stadium in Baghdad soon to be completed



The new Al Sadr-City Stadium in Baghdad will be completed in August 2014.

On behalf of the Iraqi company Nurol Construction and Trade Inc, Zeman Celik has been constructing one of the most up-to-date football stadiums in the region since the end of 2013. With a capacity of 30,000 seats, it is the biggest stadium in the metropolis of Baghdad. A total of 2,045 tonnes of steel will have been used in its construction by the time it opens: 1,700 tonnes of steel on the main roof structure, 75 tonnes on the facade, 205 tonnes on the stairwells, and 65 tonnes on a catwalk construction. The structure of the main roof consists of trussed girders, 45m long and 8.5m high, laid at intervals of 16m. They have a projection of approx. 28m and are supported at the ends by clamping columns.



What's new from ZEMAN & Co – your partner for complex architectural and industrial steel construction in the ZEMAN-Group



Major technical and logistical challenges with the new main railway station in Vienna

ZEMAN & Co were faced with particular challenges when erecting the new North Terminal of the main railway station in Vienna: Over 100 workers, plus all technical apparatus, such as cranes, aerial work platforms and lifting platforms were all operating on a building site of 3,000 m², while at the same time space had to be made for the temporary storage of all materials. The completion of the roof structure was particularly impressive. The difficulty here was with the bent and conically converging outline form, which had been adapted to the track structures connecting on the south side. The consequence of this was that the main frames running crosswise to the terminal, and the longitudinal support units - trusses and longitudinal beams - always crossed at different angles. A total of 1,300 tonnes of steel was used in construction in this project.

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What's new from ZEMAN Building Components - the machine construction specialist in the ZEMAN Group



A “quantum leap” in welding technology for Rudolstädter Systembau in Gemany

Rudolstädter Systembau GmbH, a medium-sized family concern, has recently implemented the most up-to-date welding technology in the world - designed and manufactured by ZEMAN Building Components. The new fully automated welding robots have proved to be up to 70% more efficient than previous manual production methods. Errors that could arise from comparing designs can now be eliminated from the start. Investing in this revolutionary technology is a definite gain for the company. Owner Gunther Batzke has an optimistic view of the future: “This is the only way for us to stand up to pressure from competition, show flexibility towards clients’ wishes, and to create new niches”.