



The prize was awarded to Zebau for the most innovative robotic solution

STRUCTURAL STEELWORK

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Ladies and Gentlemen!

After intensive development work in the field of robot technology for the Steel Beam Assembler the company Zebau was awarded this year's innovation prize of the robotics company ABB, while the steel construction firm Zeco scored highly through the implementation of sophisticated roof constructions for the redesign of the Ruhrpark in Bochum. The Turkish firm Zeman Celik won orders for major customers in Azerbaijan and Turkmenistan, in particular the erection of 4 sports halls for the 2017 Asian Games.

Your ZEMAN-Team

## Newsletter 2015/3

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

### Origami made from steel – new roofing for the Bochum Ruhrpark, the largest Open-Air Shopping Center in Germany



For the modernization of the Bochum Ruhrpark Shopping Center, this time ZEMAN convinced with the use of innovative systems for steel construction and the facings. Three-dimensional canopies made from steel with high-quality facings made from white aluminium composite panels, which are intended to look like folded origami – that was the wish expressed by the customer to Zeman. Apart from the aesthetic requirement, decisive for the order was also the optimization with regard to costs and assembly time, while retaining the quality in the execution. The greatest challenge during the execution phase was the meticulous scheduling of the ongoing construction work taking place simultaneously at multiple subsections and the associated construction site logistics while the shopping center was operating at full capacity.

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What's new from ZEMAN Bauelemente – the mechanical engineering specialists and market leader for the latest welding robot systems (innovative robotic applications) in the ZEMAN Group

### The prize was awarded to Zebau for the most innovative robotic solution in 2015



On the occasion of this year's ABB value provider conference, which took place in the Museum of Science and Technology Leonardo da Vinci in Milan, Zeman was chosen by ABB as the best partner for innovative robotic solutions in 2015. With more than 250,000 robot installations throughout the world, ABB, an organization with more than 150,000 employees and a turnover in excess of USD 40 billion, is a leading provider of industrial robots.

Zeman has collaborated with ABB for many years, in order to achieve qualitatively high-class and reliable solutions. This award underscores and reinforces the combined efforts for the market leadership for innovative welding robot systems in steel construction.

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

## 4 Sports Halls for the 2017 Asian Games in Turkmenistan



After the successful completion of the production, delivery and assembly of 2000 tons of steel for the Ashgabat airport in Turkmenistan on behalf of the construction giant POLIMEKS, ZECCEL was able to acquire another major customer, that has become very well established in Turkmenistan.

We are referring here to ALKAR, one of the giants in the construction sector and at the same time one of the largest suppliers of building materials in Turkmenistan.

The special feature of this project are the roof constructions of the 4 sports halls with a free span of 58 m.

25 curved 3-point tubular trusses, which in turn consisted of 4 segments with a height 3.2 m, 1.7 m width and lengths of between 14 and 15.5 m, were joined together to form one single element with a span of 58 m.

Steel structures of approx. 2400 tons were manufactured and assembled for this.

[Links to our international companies](#)



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