



## STADIUM UYO, AKWA IBOM



## STADIUM UYO, AKWA IBOM

Within two years MCE GmbH engineered, produced, delivered and assembled the complete steel structure inclusive the complex facade structure and the roofing of this extraordinary stadium for a spectator capacity of 30,000 visitors. This multi-function stadium gave Akwa Ibom State a striking landmark.

The erection of this steel structure was created within two steps. The first step was the erection of a pre-fabrication hall with a length of 170m, to be able to finalize the steel girder for the assembling on site as well as the assembling of these components and of the roofing.

Within the second step we implemented the steel substructure of the facade, to close and finalize the optical view of this stadium.

What is remarkable about the stadium is not only its façade, made of specially developed acrylic glass elements, but also the model-based planning process and the complex logistics utilized for development.

For example, the steel trusses and around 7,400 facade elements were made in Europe, shipped to Nigeria in individual parts and, with high precision, prepared for assembly in their defined position.

We are talking about more than 19,000 square meters of acrylic glasses, round about 17,000 square meters roofing and 2,700 t of steel components for the bowl.

Finally the stadium was awarded from the International Association of Athletics Federations with its highest certification ("class 1"), something that in Germany only the Olympic Stadium in Berlin can boast.

As such, it is not just its illuminated facade that makes it shine far beyond the region.

### Facts & Figures:

Capacity:	30,000 spectators	Customer:	Julius Berger International
Steel structure:	2,700 t	Project period:	2012 -2014
Acrylic facade:	19,000 m <sup>2</sup>	Site:	Akwa Ibom, Nigeria
Roof:	17,000 m <sup>2</sup>		
Length of pre-fabrication hall:	170 m		