



EDENPARKS
THE NEXT GENERATION GLASSHOUSES



TWO PROJECTS FOR WILDLANDS,
ADVENTURE ZOO EMMEN.

- ▶ **Project:** Wildlands, Adventure Zoo Emmen
- ▶ **Main contractor** VolkerWessels
- ▶ **Place:** Emmen, the Netherlands
- ▶ **Start** May 2014
- ▶ **Realisation** Realisation by Smiemans in November 2015, open for public in March 2016
- ▶ **Surface** Jungola 16,500 m²
Butterfly temple 1,100 m²

Wildlands Adventure Zoo Emmen is built on 22 hectares and is divided into three zones; called Jungola, Serenga and Nortica. Smiemans was allowed to work on two projects, the large greenhouse “Jungola” and the Butterfly temple, and achieved impressive work.

“JUNGOLA”

EdenParks is responsible for the 6,200 m² curtain wall of Jungola, made from polycarbonate because of its excellent insulation properties, transparency and favourable pricing. The steel structure is impressive, with large trusses on the outside of the roof. These trusses are 110 meters long and made of five parts of each 22 meters. The wall consists of 50 mm thick polycarbonate panels that insulate well and still allow plenty of natural light. Good for animals, visitors and especially for the tropical plants in the greenhouse, mostly from Costa Rica. The greenhouse is equipped with a sprinkler system that they use overnight.

At around two hectares in size, 23 metres in height and situated 4 metres under the building line is Europe’s largest indoor jungle. It is the new home for birds, monkeys and elephants. This enormous glasshouse is unique in Europe. It has various routes through the jungle and a real boat ride for visitors.





BUTTERFLY TEMPLE WITH 'ANGHOR WAT' RUINS

At another location in the Jungola area Smiemans put the entire steel construction, the roof, the walls and the doors of the butterfly garden. This greenhouse with a separate farming area, which is about 1,100m², is used for the presentation and cultivation of caterpillars and butterflies. It is the new home for butterflies, Chinese alligators, otters and other small animals. With beautiful ruin temples inspired by Anghor Wat it looks more like a butterfly jungle.

EdenParks was responsible for the steel construction work, the curtain walls and the roof. For the roof we used a special 3-layer ETFE foil, which is extremely hard-wearing, has a high insulation value and is UV-resistant. Moreover, polycarbonate is a very cost effective solution.

Work started in May 2014, the old zoo closed its doors on 31 December 2015 and Wildlands, Adventure Zoo Emmen was opened by our King Willem Alexander on March 18, 2016.



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