

## Reference

HESS TIMBER GmbH

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### LOCATION

Dubai, United Arab Emirates

### ARCHITECT

innovarchi

### CONSTRUCTION PERIOD

2012

### STATUS

Completed

### PROJECT CATEGORY

Free form, Façade,  
Glued laminated timber

### DETAILS

Wood species: **Fir**

Volume: **350 m<sup>3</sup> glued laminated timber**

Total area: **1.700 m<sup>2</sup>**

### SCOPE OF SERVICES

Concept & Consulting, Planning,  
Production, Component Delivery,  
Assembly

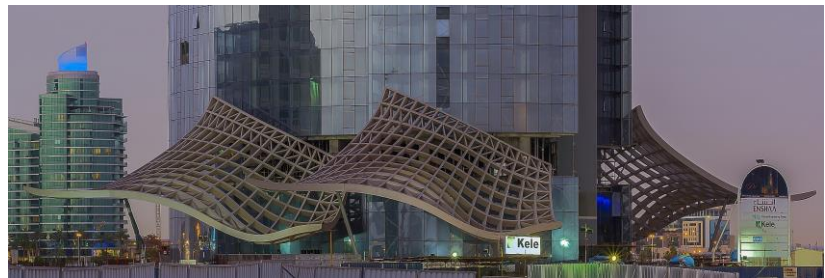
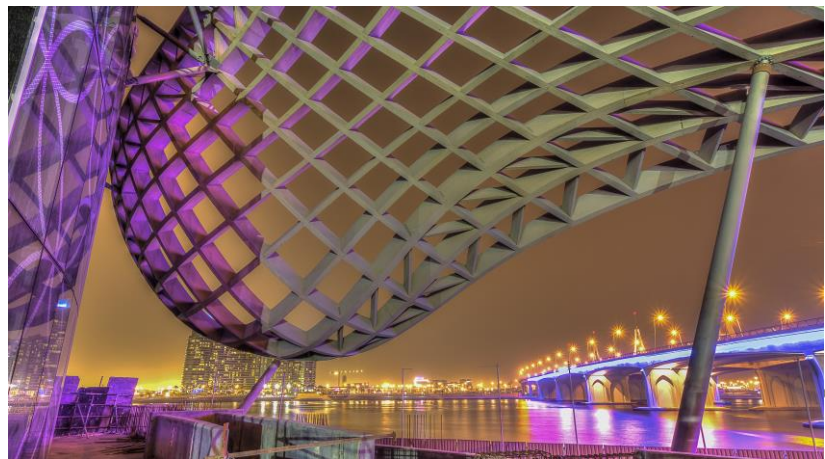
### PRODUCT / SOLUTION

GLT PREMIUM, HESS FREE FORM

## D1 TOWER DUBAI

The four free-formed roofs of the D1 Tower are modelled as the petals of a flower. They serve as shading mediators between the air-conditioned interiors and the hot environment outside. The largest of the four roofs has a surface area of 600 m<sup>2</sup> and is unique due to the 370 different, individually manufactured glulam elements. The other three roofs are identical, each has a total area of 370 m<sup>2</sup>. The D1 Tower itself is 284 metres high and has 80 floors.

HESS TIMBER was commissioned with the planning of the free-formed roofs together with the engineering office Knippers Helbig. Following the planning, we were responsible for the complete production and delivery of the components as well as precise assembly on site. This made HESS TIMBER the first glulam company to realise such a project in Dubai.



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We assume responsibility for our environment. With every realised timber construction we contribute to the environmental protection as the wood used in construction stores the carbon that the tree has removed from the atmosphere. We are also committed to responsible sourcing of raw materials solely from sustainably managed forests. We guarantee this as a **MEMBER of HASSLACHER** group.



**350 tons**

Project related CO<sub>2</sub>-storage