

Lift assembly gate truss, Dresden, Germany



Description

Hebetec has received the order for the lifting work of a gate truss in Dresden, Germany, in order to extend an existing aircraft hangar. The work was carried out without interrupting operations.

The middle part of the gate truss was lifted to the desired height of 19m plus beam elevation and held in this position, to lift and connect the missing side parts with the crane.

The old hall truss was lifted with each 3 lifting supports and hydraulic presses with 500 tons into the elevation position by 450mm. After completion, the complete gate truss (old and new part, total span 200m) was hydraulically lowered until the lifting points were free of load and the gate truss carried itself.



Facts

Total load gate truss middle part	1'746	to
Length gate truss middle part	56	m
Width gate truss middle part	5	m
Height gate truss middle part	16	m
Lifting height	19	m
Execution	2018	

Handling equipment

MT props, height 20m	4	pcs
Stroke carrier	2x2	pcs
Lifting jacks H-400	8	pcs
Lifting jacks H-40 (bracing MT props)	8	pcs
Hydraulic pump PA 4-16	2	pcs
Hydraulic pump PA 4-8	3	pcs
Lifting presses DP 500-600	3	pcs

