ADMINISTRATION BUILDING AND RESEARCH BLOCK EKATO Schopfheim (Germany)

NEW BUILDING

Client:	EKATO Holding GmbH, Freiburg	
Certified Inspection Engineer:	Prof. DiplIng. Matthias Pfeifer	
Our services:	Structural engineering inspection in accordance with regulations and standards Static calculations Structural fire protection Earthquake engineering Execution planning Planning of prefabricated reinforced concrete parts Sound insulation Façade planning Random monitoring of the structure during the building phase	C KATO
Brief description:	 Expansion of existing site for a manufacturer of industrial blending and mixing machines Administration building - 5-storey reinforced concrete building, constructed partially from pre-fabricated reinforced concrete parts - foundations in the ground water - elastically bedded base plate - basement constructed as a "White Tank" - flat slabs - partially composite steel floors (with official approval) - rectangular floor plan, 58 m x 14 m - glass facade constructed as a post and beam structure Research block - reinforced concrete construction, partially using pre-fabricated reinforced concrete parts - pre-fabricated reinforced concrete parts - pre-fabricated reinforced concrete beams as trusses - transfer of the manufacturing-related high loads via slabs with working loads of up to 400 kN/m² - pre-fabricated trusses (C 50/60) with loads of up to 450 kN/truss - crane runway in the building - rails of the crane runway made out of steel resting on reinforced concrete columns - rectangular floor plan, 68 m x 27 m - height of building 13 m 	
Architects:	Planungsgruppe Industriebau, DiplIng. Bernhard Tammer, Schopfheim	
Structural engineers:	IPM Ingenieure + Partner, Laufenburg	T
Completion:	2012	

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