

Record of projects with discription of our provided services In cronological order		
	Consruction cost	Completion
 TKN - ThyssenKrupp Nirosta, Plant Benrath, Germany Reconstruction of a weigh-bridge for rail cars The existing girders of a weigh-bridge, built in 1955 were so badly worn and corroded that they had to I The new girders, connected to the existing scale apparatus, had to be designed under concideration of the actual standards, therefore they had to be constructed with steel parts currently available according to code. Static calculations, proof of stability during operation Steel construction drawings, concept of assembly Coordination with all companies involved 	/ 5 be replaced. n	
Contact person: Mr. Rassow – TKN Benrath	0,13 Mio €	October 2008
Pfleiderer Novgorod, Russia Erection of a production plant for wood-fibreboards Pfleiderer, a manufacturer of wood products decided to erect a production plant for fibre boards Novgorod, Russia. The client operates already a production plant for chip boards at this site. In charge as gerneral contractor for all machinery and technical equipment is the company Dieffenbacher from Eppingen, Germany. Pfleiderer awarded different civil engineering office the planning of various building units. Our office recieved contracts for planning the drying plant, the building for glue metering and the structures for the electrostatic filters and the power plant building, as the foundations for the Our performances included general and structural Coordination with the mechanical engineers, static Formwork and reinforcement drawings. Further, we continue construction controlling on be of the client (Pfleiderer).	in s with pulb processing, pipe bridges. design, calculations, half	
Contact person: Mr. Eifert	30 Mio € (Constr.)	~ 2010

		Consruction cost	Completion
Arcelor Mittal – Replacement o The existing ore and contraction The new prefabrication Germany Bremen, to The conv It's length structural Static proportion of enduration	• Bremen, Germany f the elevating conveyor belt at k ing elevating conveyor belt, which to oke to the blast furnace, had reach n load change, therefore it had to be conveyor system, a welded steel st ated in four sections at Hoffmeier G . The single sections were delivere where they had been assembled of eyor structure is supported in two p measures 85 m, it's width 6,50 m height is 2,20 m. of of the field connections under connections under connections under connections under connections under connections drawings.	blast furnace #1 transports ned it's e replaced. tructure, was GmbH in Hamm, d by ship to n site. boints. and it's	
Contact p	person: Mr. Vogg - Bauabteilung	5,3 Mio €	August 2008
Kühne + Nagel Extension of th Logport buisne The exist by 25.000 sections v There is a of each w Construct Hellmich Coordina Static cal Formwork Steel con	The logistik centre with warehouse esspark in Duisburg, Germany ing area of the logistic centre was essentiated on the logistic centre was essentiated on the state of t	es at extended warehouse d to the end ctor, ecrete structures; $18 \text{ Mio } \in$	May 2008
Contact p	orson. Init. Jayer - Mulline + Mayer		101ay 2000

Consruction cost Completion

Container Port Hamburg, Germany Conversion of a container handling gantry crane

The clearance height of the container crane portal needed to be raised from 14 m to 17.50 m. Therefore the crane had to be reconstructed. A new frame structure was assembled on site and installed before the old support frame was removed. The Crane has a total height of 70 m, the boom reaches out 46 m and it has a max. lifting capacity of 60 t. The crane can be moved with it's 20 wheel sets, the track gauge measures 18 m.

Steel construction drawings,

Concept of assembly.

1,35 Mio €

2007

TKS – Thyssen Krupp Steel, plant Bochum

Expansion of a wide strip roll line with an additional preheat furnace

The existing wide strip roll lane had been extended with another preheat furnace. According to the addition, the building, a twin bayed warehouse had to be extended by two sections (30 m). The craneway girders for the bridge cranes with their max. lifting capacity of 260 t, had to be extended as well. The span length of the girders measure between 15 and 30 m. The existing outdoor crane track had to be dismantled.

Design of the warehouse structure and craneway girders,

Coordination with the client,

Static calculations with proof of endurance strength,

Steel construction drawings,

Façade design

Contact person: Herr Biekehör

3,4 Mio € (Constr.) Early 2008

Consruction cost Completion

Fiber	board GmbH		
Erect	ion of a production plant for wood fibreboards		
iii Da	Classen Industries, a manufacturer for laminate floor	rina	
	decided to built a plant on site in Baruth, to produce	the	
	fibreboard used in laminate flooring.		
	The fibreboard production plant consists of multiple		
	Worth mentioning are:		
	- The power plant which is fitted in a steel structure	e, covered	
	with sheet metal sidings. The plant can deliver up	o to	
	80 mega watt heating power.		
	- The drying plant with the 3 m in dia drying pipes, and the 6 m in dia cyclone separators, banging		
	in the steel structure.		
	- The production building, housing the 47 m long c pulp press.	ontinuous	
	Design of the steel- and concrete structures and buil	dings,	
	Manage tendering process,		
	Participating in allocations of contracts		
	Construction supervision,		
	Accounting control.		
	Contact person: Mr. Flöttmann (Classen Industries)	38 Mio € (Constr.)	End 2008
Degu	ssa Stockhausen GmbH		
Expa	nsion and reconstruction of the production unit #	P 7	
	The existing production building, built in the 1940s, h	ad to be	
	production line.	or the	
	The plant kept producing during construction and		
	the production process could not be interupted.		
	First the building was raised before the existing		
	Statia estevilationa		
	ivianage tendering process		
	Steel construction drawings.		
	Contact person: Mr. Stefan Gorgs (Stockausen)	1,1 Mio € (Contr.)	Mid 2006

		Consruction cost	Completion
GEA N	Messo – Sulphate production plant Asscuo, Egg GEA Messo delivered a new sulfate production plant to an existing factory in Asccuo. The building design for the production plant was in contract. Static calculations, Steel construction design with general drawings. <i>Contact person: Mr. Bäßler (GEA Messo)</i>	ypt ncluded in their 0,74 Mio €	Mid 2006
Baum Erecti	garte Boiler Systems GmbH on of a wast disposal plant in Moskau, Russia The Company Baumgarte delivered the boiler equ the structural design for the waste disposal plant in built by EVN (Energieversorgung Niederösterreich For structural and economic reasons, the boiler ho had to be attached to the main structure of the inc Further, a turbine chamber had to be included in the building. Static calculations to auditable in German and Rus	ipment, including n Moskau, n), Austria. ouse inerator. ssian	
	Steel construction drawings for Stahlbau Unger, Au Contact person :Mr. Jörg Böwe (Baumgarte Boiler Systems GmbH) Mr. Reinhard Szekely (Stahlbau Unger)	ustria. 4,6 Mio €	End 2006
Deuts Expan	che Solvay Werke GmbH nsion of the PVC production plant The existing PVC plant had to be extended. It was necessary to obtain the production line cont to the existing plant units.	nected	
	As built drawings		
	Concept of reconstruction and structural design		0005
	Contact person: IVIF. Bernhard Liekenbrock (Solva	y) 3,6 Ⅳ110 €	2005

Consruction cost

DIPL.- ING. HENDRIK DANNENBERG

Completion

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Zellstoffstendal GmbH		
To increase their pulp production capicity, ZS needed two more boilers. Therefore, the boiler building (build had to be extended to fit in the two additional boilers. In the original design (completed by our office) the ed the building was already concidered and the foundat for the extension were built in 2003. The steel structure had to be erected free-standing from the building. The new gable wall had to be build pile foundations to avoid differtial settlement.	ed to install It in 2003) s. extension of ations seperate It on	
General design,		
Application process for building permit		
Construction planning,		
Structural design incl. formwork and reinforcement	drawings	
Steel construction drawings.		
Contact person: Mr. Wolfgang Schubert (metso)	3,2 Mio €	End 2005
Baumgarte Boiler Systems GmbH MHKW Frankfurt Nordweststadt, Germany		
The existing waste incineration plant was modernize with two new boiler systems, and in a second phase two more boilers were added.	ed e in 2006,	

Planning supervision for Baumgarte,

Coordination of mechanical and structural layout,

Adaptation and coordination of the static calculations with the steel construction drawings.

Contact person: Mr. Ralf Senff-Wollenberg12,5 Mio €End 2007(Baumgarte Boiler Systems GmbH)12,5 Mio €End 2007

	Consruction cost	Completion
DSD Industrieanlagen GmbH Modernizing of the heat- and power plant in Germany for Stadtwerke Wuppertal	Wuppertal-Barmen,	
turbines with two waste heat boilers. The installed in the existing boiler building, b boilers, a new building with two 60 m hig be errected.	ed by two gas e gas turbines were out for the waste heat gh chimneys had to	
General design,		
Application process for building permit		
Construction planning,		
Structural design incl. formwork and reir	nforcement drawings	
Steel construction drawings.		
Contact person: Mr. Eberhard Kerfs (DS	SD) 4,3 Mio €	End 2005
Schenkmann-Piel Engineering GmbH Construction of a frame for two sifters and at a fibreboard plant in Belgium The new sifters and air cyclone seperate the existing fibreboard plant to increase The extreme narrow space at the site ha planning of the construction and asseml	two air cyclone seperators ors were integrated into the production capacity. ad to be concidered in the bly of the structure.	
Structural design and auditable static ca	alculations	
Steel construction drawings.		
Contact person: Mr. Wolfgang Allerödde	er 0,35 Mio €	2005

	Consruction cost	Completion
NIAG Niederrheinische Verkehrsbetriebe AG – Moer Expansion of the railcar repair shop with erection of crew building and extension of the railway sidings	rs, Germany f a new	
I o reach higher efficiency, the existing railcar rep was extended by two rail tracks for inspection and repair work.	d	
General design: Landscaping, rail tracks, technica building design and construction planning,	al equipment,	
Structural design incl. formwork and reinforcemen steel construction drawings	nt drawings	
Manage tendering process		
Construction supervision		
Accounting control		
Contact person: Mr. Thomas Scherbarth	2,0 Mio €	Early 2004
Kronospan Sandebeck, Sandebeck, Germany Reconstruction of the chip treatment plant As a part of the modernization of the production p chip boards, the chip treatment facility was extend and reconstructed. Structural design incl. steel construction drawings	olant for ded S	
Contact person: Mr. Gunther Baler	3,8 MI0 €	Early 2004
Zellstoff Stendal GmbH, Germany Erection of the boiler building (# 411) As a part of the new pulp production plant, the bo was planned and constructed by our office. General design Auditable static calculations Construction design Formwork and reinforcement drawings Steel construction drawings	oiler building	
Contact person: Mr. Wolfgang Schubert (metso)	10,4 Mio €	End 2004

	Consruction cost	Completion
Küppersbau [®] - Gartenstadt Moers-Alt-Schwafh Erection of multiple familiy homes In cooperation with the construction compar we developed and designed various types of and multi family homes to erect and comme suburban building plot in Moers, Germany Architectural Design Static calculations	eim, Germany ny Küppersbau, of single- ercialize on a	
Construction drawings		
Contact person: Mr. Jörg Weitzel	16,0 Mio €	2008
Erection of a professional building with apparter retail space in the city centre of Moers, German In the densly built inner city of Moers, the ex- was demolished and the new 5-storey high, and appartement building was errected. Structural concept Static calculations Construction drawings Steel construction drawings Formwork and reinforcement drawings, incl. pile foundations	ements and ny xisting building commercial-	
Incl. pile foundations Contact person: Mrs. Dammers-Plaßmann	3,8 Mio €	Aug. 2002
Hochtief Building AG Planning of a straw fibreboard plant in Staßfurt The plant was designed to produce and rep LDF, MDF and HDF fibreboard out of straw. General layout design incl. road developme Design of all production- and administration Structural design, static pre-calculations Cost estimates. <i>Contact person: Mr. Wiechmann,</i> (Heaptief Puilding AC Promon)	t, Germany process ent buildings	

32,0 Mio € Project discontiniued in 2001

		Consruction cost	Completion
RMW			
Exhibi	ition pavillion at the IAA 2001, Frankfurt, Germa BMW designed a unique exhibtion pavillion for the IAA (international motor show) at the Frankfurt Me (Exhibition ground), Germany	any sse	
	Examinations concerning static stability		
	Steel construction drawings		
		1,6 MIO €	Aug. 2001
Veriek			
Erecti in Mag	on of a production plant for wood fibreboard gdeburg, Germany		
	This plant was erected to produce MDF-fibreboard	ls.	
	General Design		
	Managing application process for building permit within the scope of application for production perm	nit	
	Static calculations		
	Construction drawings		
	Managing tendering process and allocations of contracts		
	Construction supervision		
	Contact person: Mr. WilhelmTaubert	24,5 Mio €	Feb.2001
Zukun Erecti with e	on of a warehouse and a administration buildin xhibition space The two-bayed warehouse with two 25 t overhead travelling cranes is used for repairwork and storage large machines. General Design, structural design Managing application process for building permit Static calculations	l g e of	
	Construction drawings		
	Managing tendering process and allocations of contracts		
	Construction supervision		
	Contact person: Mr. Adnan Uczak	3,7 Mio €	Sep.2000

	Consruction cost	Completion
Holz Dammers Moers Build up and expansion the of the administratior bridging the main truck entrance, Moers, Germa	h building, ny	
General Design, structural design		
Managing application process for building per	mit	
Static calculations		
Construction drawings		
Managing tendering process and allocations of contracts	of	
Construction supervision		
Contact person: Mr. Arnold Dammers	1,5 Mio €	Jun. 1999
Real Erection of a shopping centre in Kamp-Lintfort, of The shopping centre building with the roof top and the receiving areas are constructed of pre- concrete elements. The parking lot is accessilbe on a concrete sp Structural design Static calculations Construction drawings Ansprechpartner: Herr Börgmann (Holstein und Söhne)	Germany o parking lot ecasted biral ramp. 11,5 Mio €	Jan. 1999
(Hoistein und Sonne)	11,5 Mio €	Jan. 1999

Bridge constructions – Erections and reconstructions

Design, precalculations and bridge inspections

Mr. Heinz Dannenberg acted as inspector for multiple Bridge erection- and reconstruction projects.

Bridges have been inspected at: ThyssenKrupp Hüttenwerke, ThyssenKrupp, Nirosta, Deutsche Solvay Werke

Our office participated in the following bridge projects substantially:

Erections

Bow bridge, Duisburg-Hochfeld Aakerfähr-bridge over the Ruhr river, Mühlheim Bow bridge over the Rhine-Herne-canal, Oberhausen Zoo-Brücke (zoo bridge) over the Autobahn A 3, Duisburg Zoo-Brücke (zoo bridge) over the rail tracks of the Deutsche Bahn, Duisburg

Bridge over the river Weser near Dörverden, client: Krupp on behalf of Wasser- und Schifffahrtsamt Verden

Reconstructions

Oberbürgermeister-Karl-Lehr-Bridge, Duisburg-Ruhrort Rhine bridge, Duisburg Hochfeld-Rheinhausen Rhine bridge, Duisburg Ruhrort-Homberg Bassin bridge, port Duisburg-Homberg Bassin bridge, port Duisburg-Ruhrort