

Office Community

PBO Planning office
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Philosophy



- **Structural and organizational change of the medical service provision**
- **Implementation and accordingly expansion of a cross-border air rescue service**
- **Objective-planning of new locations for hospitals and public health service facilities**
- **Participation in the conversion process from civil service administration to direct commercial responsibility of public health service facilities**
- **Spezific orientation on bilateral cooperation**
- **Optimization of operating procedures and building measures in the public health service**

Office community business segments



- Target planning and expertise for new hospitals
- Project management for new building of hospitals and clinics
- Turnkey renovation during operation of large-scale hospitals and university hospitals
- Funding request consulting for new projects
- Planning and new building of helicopter air rescue service sites
- Medical-technical equipment of hospitals
- Local development planning for the public health service



Our services

1. Project management of turnkey new building and renovation of hospitals
2. Planning of buildings, medical installations and laboratories
3. Renovation of the technical infrastructure
4. Medical-technical building services

New Building and reconstruction of analysis and treatment ranges for:

- Internal medicine,
- Cardiology,
- Neurology,
- Surgery and internal medicine rescue centre,
- Baby ward and newborn nursery,
- X-ray clinical diagnostics and rescue centre,
- Duplex intracardiac catheter measuring station ,
- Care ward,
- Inpatient ward with 356 / 560/ beds
- Existing operating wing
- Pharmacy care area
- Care ward for multiple disabled juveniles
- Neurosurgery care ward and operating theatre,
- Integration of a MRT,
- New building of a general purpose building for micro-invasive surgery
- Urological x-ray centre,
- Central laboratory ,
- 2 Closed psychiatric wards.



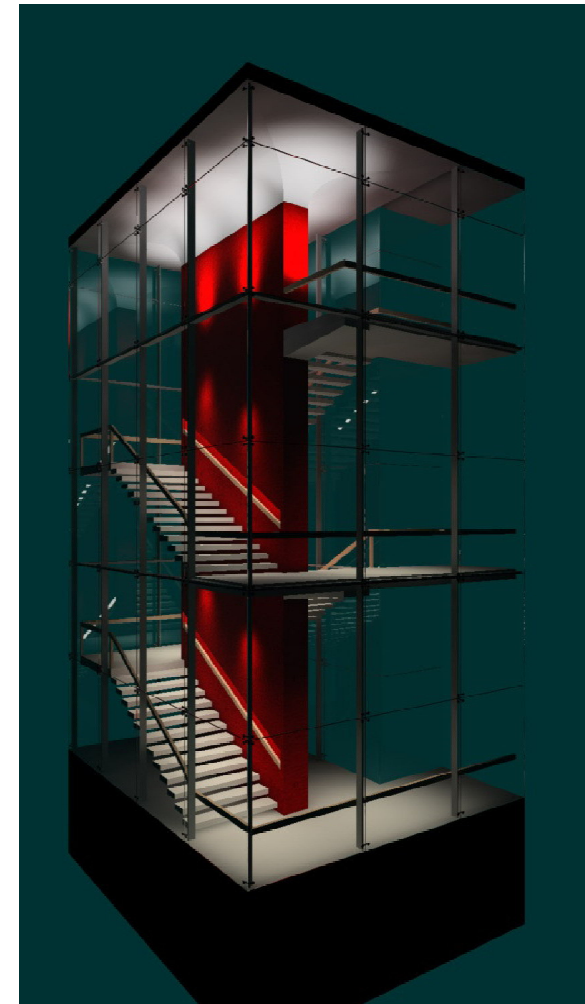
Hospital:Städtisches Klinikum Brandenburg

Our Services

1. Project management of turnkey new building and renovation of hospitals
2. Planning of buildings, medical installations and laboratories
3. Renovation of the technical infrastructure
4. Medical-technical building services

New building respectively reconstruction of following ranges:

- Mechanical equipment room with subterranean maintenance corridors
- Patient Cafeteria,
- Helicopter landing places with hangars and quarters
- Waste management centre,
- Reconstruction and relocation reception range
- Officers mess for a social services centre,
- Plant for radioactive wastewater treatment,
- Building services.



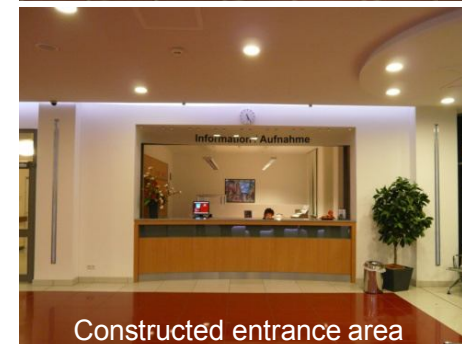
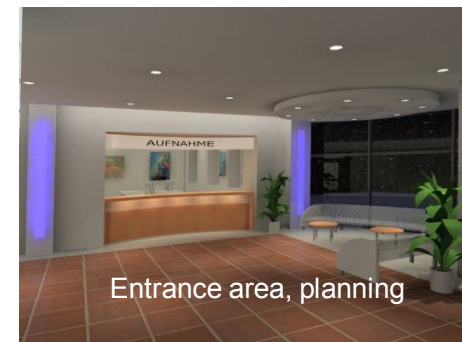
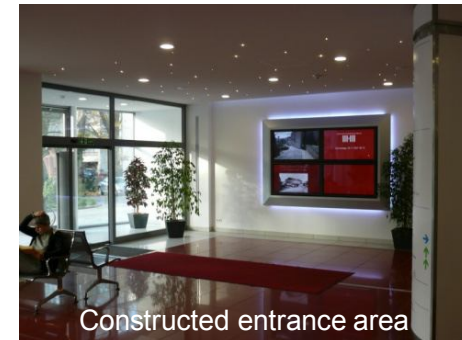
References



Based on partnership with investors and clients we developed and successfully realized customized concepts for new building and renovation considering the most important criteria like adherence to schedules and quality of services and materials.

Excerpt from our reference list

• Hospital "Zweckverbandskrankenhaus" Itzehoe	ca. 69,0	Mio. €
• University Hospitals Kiel		
• University Hospital "Charlottenburg" Berlin	ca. 10,5	Mio. €
• Hospital "Spandau" Berlin	ca. 41,0	Mio. €
• Hospital "Spandau" Berlin Area Lynarstraße	ca. 123,0	Mio. €
• Hospital "Spandau" Berlin Area Havelhöhe, Hohengatow	ca. 22,5	Mio. €
• Hospital "Südharzkrankenhaus" Nordhausen	ca. 11,5	Mio. €
• Hospital "Städtisches Klinikum" Brandenburg	ca. 157,0	Mio. €
• Hospital "Sankt Gertrauden Krankenhaus" Berlin	ca. 69,0	Mio. €
• Hospital Berlin	ca. 70,0	Mio. €
• University Hospital "Benjamin Franklin" Berlin	ca. 6,5	Mio. €
• Perleberg Air rescue service site	ca. 2,0	Mio. €



Career of the office holder



- 1990 – 2009 Projects according to reference list
- 1990 Founding of PBO in Berlin
- 1986 – 1989
Spandau - Berlin Engineering department head at the hospital and shopping
Hospital construction project manager, local field Lynarstraße
- 1984 Examination of Dipl.-Ing. (Architecture) at the Technical
University of Berlin
- 1980 – 1985 Employed Architect at the University Clinic Charlottenburg
responsible for rehabilitation of hospital “Westend”
- 1976 – 1979 Local site manager to pass up for a turnkey hospital building
638 beds in Itzehoe - Schleswig Holstein
- 1974 Examination of Ing. grad. (Architecture) at the Staatsbauschule
in Eckernförde – Schleswig Holstein

New Building hospital “Zweckverbandskrankenhaus“ Itzehoe



total construction costs EUR **stage**

Maximum care hospital with 663 beds

69.025.000

Turnkey Creation

Project Manager (deputy)

Local Construction

Building Planning

6-9

Medical and Laboratory Technology

6-9

University hospital “Charlottenburg“ Berlin



	total construction costs EUR	stage
Conversion and extension administration building	1.450.000	
Building planning		5-9
Conversion examination and treatment area of internal medicine (pulmonary)	1.850.000	
Building planning		5-9
Medical and laboratory technology		5-9
Conversion examination and treatment area of internal medicine (cardiology)	2.175.000	
Building planning		5-9
Medical and laboratory technology		5-9
New building duplex intracardiac catheter measuring station	2.575.000	
Building planning		5-9
Medical and laboratory technology		5-9
Renovation local area Westend		
Renovation and conversion care ward internal medicine	2.300.000	
Building planning		5-9
Medical and laboratory technology		5-9

Hospital “Spandau“ Berlin



Responsible for three local sites with 1.450 beds for four years
Procurement of medical needs and planning of the medical and laboratory technology

total construction costs EUR
40.900.000

stage
1-9

Renovation local area Lynarstraße
Project management according to § 31 HOAI for following projects

New building Mechanical equipment room with subterranean maintenance corridors	22.400.000
New building inpatient ward with 356 beds	71.075.000
Newbuilding examination and treatment	19.675.000
New building disposal centre	2.050.000
Conversion of a existing operating wing	1.875.000
Conversion care ward into a pharmacy	2.325.000
Conversion buildings “Haus 1“ and “Haus 18“	2.250.000
Renovation technical infrastructure	<u>2.175.000</u>
TOTAL:	123.825.000

Conversion officers mess for a social services centre local area Havelhöhe	2.275.000
Project management	

Hospital “Spandau“ Berlin

Building planning		1-3
Renovation, conversion and extension central kitchen local area Havelhöhe	1.450.000	
Sectoral planning for the kitchen		5-7
Building planning		1-7
Renovation power station local area Havelhöhe	2.175.000	
Project management		
Building planning		1-5
Renovation power station local area Hohengatow	1.850.000	
Project management		
Building planning		1-5
Renovation care wards local area Havelhöhe	2.475.000	
Building planning		1-5
Medical and laboratory technology		1-5
Conversion surgical and internal rescue centre local area Lynarstraße	950.000	
Building planning		1-3
Medical and laboratory technology		1-3
Conversion care ward for multiple disabled juveniles local area Havelhöhe	1.650.000	
Building planning		1-3
Medical and laboratory technology		1-3
New building plant for radioactive wastewater treatment local area Lynarstraße	850.000	
Building services		1-3
Building planning		1-3
Conversion of 2 closed psychiatric wards local area Griesinger Straße	1.975.000	
Building planning		1-5
Medical and laboratory technology		1-5
Conversion building “Haus 7“ neurology (health care centre and care ward) local area Lynarstraße	3.700.000	

Hospital “Spandau“ Berlin

Building planning		1-8
Conversion building “Haus 18“ into a pharmacy local area Lynarstraße	3.100.000	
Medical and laboratory technology		2-9

Hospital “Südharzkrankenhaus“ Nordhausen



	total construction costs EUR	stage
Reorganisation functional areas	11.500.000	
Relocation and renovation rescue centre	1.000.000	
Building planning		1-7
Building services		1-7
Medical and laboratory technology		1-7
Integration of a new inpatient ward	950.000	
Building planning		1-7
Building services		1-7
Medical and laboratory technology		1-7
New building urological x-ray centre	750.000	
Building planning		1-8
Building services		1-8
Medical and laboratory technology		1-8

Hospital “Südharzkrankenhaus“ Nordhausen

Conversion and relocation reception area	1.150.000	
Building services		1-5
Building planning		1-5
Conversion central laboratory	1.550.000	
Building planning		1-7
Building services		1-7
Medical and laboratory technology		1-7
New building patient-cafeteria		
Building planning		1-3
Building services		1-3
	3.850.000	
Relocation and Conversion ambulance services and new building of a helicopter air rescue service site with hangars and barracks		
Building planning		1-7
Building services		1-7
Structural engineering		1-5
Conversion baby ward and newborn nursery	2.500.000	
Building planning		1-5
Building services		1-5
Medical and laboratory technology		1-5
Renovation and Conversion inpatient ward with 560 beds in consideration of the fire prevention		
Building planning		1-3
Medical and laboratory technology (hospital 800 beds)		1-3

Hospital “Städtisches Klinikum“ Brandenburg



	total construction costs EUR	stage
New building Hochstraße and Conversion/Renovation functional areas	116.650.000	
New building “Städtisches Klinikum“ Brandenburg Hochstraße, 583 beds		
Building planning		1-2
Structural engineering		1-2
Building services		1-2
Medical and laboratory technology		1-2
Conversion and extension building x-ray clinical diagnostics and rescue centre	7.800.000	
Building planning		1-9
Structural engineering		1-6
Building services		1-9
Medical and laboratory planning		1-9
Conversion pharmacy	950.000	
Building planning		1-9
Structural engineering		1-6
Building services		1-9
Medical and laboratory technology		1-9

Hospital “Städtisches Klinikum“ Brandenburg

Conversion gynaecological operation room	2.000.000	
Building planning		1-9
Structural engineering		1-6
Medical and laboratory technology		1-9
Conversion central sterilization	1.600.000	
Building planning		1-9
Structural engineering		1-6
Medical and laboratory technology		1-9
Conversion intensive care unit (14 beds)	3.050.000	
Building planning		1-9
Structural engineering		1-6
Medical and laboratory technology		1-9
Conversion neurosurgical care ward		
Building services engineering		1-4
Medical and laboratory technology		1-4
Conversion neurosurgical operation room	1.075.000	
Building planning		1-3
Medical and laboratory technology		1-3
Conversion of the integration of a MRT	1.575.000	
Building planning		1-3
Extension “Städtisches Klinikum“ Brandenburg Hochstrasse construction stage I	20.450.000	
Building services/medical technology		1-8
New building of a helicopter air rescue service site with hangars and barracks	1.800.000	
Building planning		1-8
Structural engineering		1-5

Hospital “Sankt Gertrauden“ Berlin



	total construction costs EUR	stage
New building of a general purpose building for micro-invasive surgery	25.550.000	
Project management		
Medical and laboratory technology		1-3
Conversion inpatient ward with surgical and internal intensive care unit (constr. stage II)	29.900.000	
Account and schedule control		
Medical and laboratory technology		2-9
Conversion inpatient ward with physical therapy and central laboratory (constr. stage III)	13.550.000	
Account and schedule control		
Medical and laboratory technology		2-9

Hospital Berlin



	total construction costs EUR	Stage
Traget planning for the hospital restructuring	75.750.000	
Stocktaking and digitalization of the buildings "Haus A-B-D"		
Conversion oft the examination and treatment tract	4.775.000	1-2
Conversion und modernization building "Haus B"	13.950.000	1-2
Conversion und modernization building "Haus D"	5.875.000	1-2
Conversion of the intensive care unit with 16 beds	3.575.000	1-8
Conversion function diagnosis – 1 st construction stage	1.625.000	1-8
Conversion operating wing, new building of 3-operating rooms	5.900.000	1-8
Renovation of the technical infrastructure including new escape stairways	4.000.000	1-8
Conversion and renovation of the rescue center	2.600.000	1-8
New building inpatient ward with 250 beds	40.000.000	1-2

University Hospital “Benjamin Franklin“ Berlin



	total construction costs EUR	stage
Partial modernization of the care units, implementation of comfort standards Building planning	4.100.000	1-8
Raising the standard implementation Building planning	2.550.000	1-2
Stock valuation		

Perleberg



total construction costs EUR

stage

New building of a helicopter air rescue service site with hangars and barracks

1.800.000

Building planning

1-3













List of Main Human Recourses and Technical Facilities Involved into The Projects

Design and Engineering Professionals	-	6 person
Design and Engineering staff and assistance	-	until12 persons
Construction Staff	-	from 100 persons until 350 persons in the pick
Large Heavy Lifting Cranes	-	3 Large Cranes and 6-8 mobiles cranes
Excavation machineries	-	4 Large and 8 mobile unites
Wheel Loaders	-	4 until 12 unites
Big Trucks	-	6 until 10 unites
Concrete Pumps	-	8 until 10 unites
Framework	-	12.000 until 15.000m ²

A lot of Small Machines and main construction tools in number of 78 in general