

**VPG VERBUNDSYSTEME PLANUNGS-
PRODUKTIONS-BAUGESELLSCHAFT mbH**

Planning services, engineering services, project management
and assembly of the VS-System elements

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VST VERBUNDSCHALUNGSTECHNIK



A YOUNG COMPANY WITH **EXPERIENCE OF MANY YEARS**

THE DEVELOPMENT OF THE PATENTED VS COMPOSITE FORMWORK SYSTEM BEGAN BACK IN THE EARLY 1980IES. UP TO THIS DAY WE HAVE IMPLEMENTED HUNDREDS OF HOUSING PROJECTS, HOTELS, RESTAURANTS, BUSINESS AND INDUSTRIAL BUILDINGS, LEISURE FACILITIES AND SOCIAL INSTITUTIONS USING THIS TECHNOLOGY.

A COMPANY REORGANISATION WAS THE IMPULSE FOR OUR EXPERIENCED ENGINEERS AND SKILLED WORKERS TO ESTABLISH THIS INNOVATIVE FORMWORK TECHNOLOGY MORE FIRMLY ON THE MARKET.

COMPANY STRUCTURE VST/VPG GROUP

VST VERBUNDSCHALUNGSTECHNIK GesmbH

Patents, licences, know-how contracts and
cooperations, research and development

Wildgansgasse 1b/2

A-2332 Hennersdorf bei Wien

partnerships

VST VERBUNDSCHALUNGSTECHNIK

VERTRIEBS GesmbH

Sales and acquisition

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VST VERBUNDSCHALUNGSTECHNIK S.R.O.

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VPG VERBUNDSYSTEME

Planungs-Produktions-Baugesellschaft mbH

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and assembly of the VS-System elements

Seespitzstraße 4

A-5700 Zell am See

THE PATENTED PREFABRICATED COMPOSITE FORMWORK SYSTEM - "VS-SYSTEM"

THE VS-SYSTEM IS A SOLID CONSTRUCTION METHOD USING CONCRETE ENCASEMENTS. THE FORMWORK CONSISTS OF CEMENT-BONDED PARTICLE BOARDS (CBPB), WHICH LATER REMAIN IN THE BUILDING. THE PREFABRICATED ELEMENTS FORM THE COMPOSITE FORMWORK, WHICH IS FILLED OUT ON-SITE WITH FLUID CONCRETE OR SELF-COMPACTING CONCRETE (SCC) TO GAIN STABILITY.



THE VS-SYSTEM IS AN ALL-PURPOSE SYSTEM FOR LOADBEARING AND NON-LOADBEARING STRUCTURES, A PATENTED FORMWORK SYSTEM FOR WALLS, SLABS, STAIRCASES, COLUMNS AND BEAMS.

THE MOST IMPORTANT ADVANTAGES OF THE VS-SYSTEM ARE: EXTREMELY SHORT CONSTRUCTION TIME, LOW OVERALL COSTS, HIGH QUALITY AND THE HEALTHY ROOM CLIMATE RESULTING FROM THE INTENSIVE HUMIDITY COMPENSATION.

THE CONCRETE CORE ENSURES STABILITY, HIGH SOUND INSULATION AND OPTIMUM HEAT ACCUMULATION. THE HEAT IS "STORED" DUE TO THE CEMENT-BOUND PRESS BOARDS ON BOTH SIDES OF THE CONCRETE CORE AND THE THERMAL PROTECTION FIXED ON THE EXTERNAL WALL. AS A RESULT, THE ARISING HEATING COSTS ARE VERY LOW.

VS-SYSTEM PRODUCTION

IN OUR FACTORY THE FORMWORK IS PREFABRICATED FROM CEMENT-BOUND FLAT PRESSBOARDS AND EQUIPPED WITH AN ADDITIONAL REINFORCEMENT, WHICH IS NECESSARY DUE TO STATIC-CONSTRUCTIVE REASONS. THE PREFABRICATED FORMWORK ELEMENTS ARE COMPLETE IN FORM AND GEOMETRY, INCLUDING ALL OPENINGS ETC. TAKING ON-SITE MEASUREMENTS FOR FINISHING CRAFTS IS NOT NECESSARY ANYMORE.



THE INDUSTRIAL PREFABRICATION OF THE VS-SYSTEM OFFERS SEVERAL IMPORTANT ADVANTAGES. THE LOW WEIGHT OF THE FORMWORK ELEMENTS ENSURES LOW COSTS FOR TRANSPORTATION AND ASSEMBLY. FURTHERMORE, THE ELEMENTS AND THE NECESSARY TOOLS CAN BE SPACE-SAVINGLY STORED ON-SITE. DUE TO THE EXACT PREFABRICATION THERE IS HARDLY ANY WASTE ON THE CONSTRUCTION SITE.

ONCE THE VS-SYSTEM IS ASSEMBLED AND CONCRETED, THE HIGH-QUALITY SHELL CONSTRUCTION IS FINISHED AND READY FOR SURFACE TREATMENT. THIS EXTREMELY SHORT CONSTRUCTION TIME ALLOWS AN EARLY UTILIZATION OF THE BUILDING AND THE PROFITABILITY CAN BE INCREASED DUE TO THE LOW TIME-DEPENDENT COSTS.

BRENNER'S PARKHOTEL

THE LARGESCALE EXTENSION OF THE WORLD FAMOUS "BRENNER'S PARKHOTEL" IN DOWNTOWN BADEN-BADEN (GERMANY) WAS AN ESPECIALLY INTERESTING CHALLENGE. THE LUXURIOUS HOTEL WHICH IS SITUATED AT THE LICHTENTALER ALLEE DIRECTLY AT THE RIVER OOS IS COUNTED AMONG THE "SELECTION OF GERMAN LUXURY HOTELS" AND IS ONE OF THE "LEADING HOTELS OF THE WORLD". IT OFFERS ITS GUESTS 110 EXCLUSIVELY FURNISHED ROOMS AS WELL AS RESTAURANTS AND A BEAUTY SPA.



VPG'S ENGINEERS WERE RESPONSIBLE FOR WORKING DRAWINGS, STRUCTURAL ANALYSIS AND PROJECT MANAGEMENT. VST'S FACTORIES SUPPLIED ALL VS-SYSTEM ELEMENTS. DUE TO THE HIGH GROUND WATER LEVEL A TRUNCATED BORE PILE WALL AND AN ANCHORED GROUND SLAB WERE USED TO SECURE THE BUILDING PIT.



VS-SYSTEM CONSTRUCTION COMPONENTS:
2-STORIED UNDERGROUND GARAGE FOR 240 CARS
6-STORIED ADMINISTRATIVE WING "HAUS ANSTETT"
5-STORIED "VILLA TÜRGENJEW" INCLUDING FOUR BOUTIQUES
AND 41 APARTMENTS
3-STORIED "VILLA VIARDOT" INCLUDING TWO BOUTIQUES
AND FIVE LUXURY APARTMENTS

BUILDING VOLUME:
52.000M³

CONSTRUCTION TIME:
APRIL 2, 1990 TO APRIL 30, 1991

GRAND HOTEL ZELL AM SEE

THE HISTORIC GRAND HOTEL ZELL AM SEE (SALZBURG/AUSTRIA) IS SITUATED ON A PENINSULA IN LAKE ZELL AND WAS ENTIRELY REBUILT IN ITS ORIGINAL SHAPE FROM 1896. IT OFFERS 115 ROOMS, APARTMENTS AND SUITES ALS WELL AS RESTAURANTS, A CONVENTION CENTER AND A PANORAMIC INDOOR SWIMMING POOL WITH SAUNA, WHIRLPOOL ETC. AFTER A CONSTRUCTION TIME OF ONLY TEN MONTHS THE HOTEL WAS PUT IN OPERATION. THE BASEMENT FLOORS ARE SITUATED UNDER THE WATER SURFACE OF LAKE ZELL. THE HOTEL'S FAÇADE STANDS OUT DUE TO ITS BEAUTIFUL CLASSICISTIC ELEMENTS.



BUILDING VOLUME:
33.000M³

CONSTRUCTION TIME:
FEBRUARY 10, 1984 TO DECEMBER 23, 1984



MAXX STEIGENBERGER JENA

THIS CHARMING FOUR-STAR HOTEL IN JENA (GERMANY) OFFERS 208 FASHIONABLE ROOMS, 12 STYLISH SUITES, RESTAURANTS, SAUNA, SOLARIUM, STEAM BATH, EXERCISE ROOM AS WELL AS AN INDOOR WATER PARK AND A CONVENTION CENTER. DURING THE CONSTRUCTION VPG'S ENGINEERS WERE RESPONSIBLE FOR SITE MANAGEMENT, WORKING DRAWINGS AND STRUCTURAL ANALYSIS.



BOTH, SLIPFORM CONSTRUCTION METHODS AS WELL AS VS-SYSTEM ELEMENTS WERE USED FOR THE MAXX STEIGENBERGER JENA.

CONSTRUCTION COMPONENTS:
11-STORIED BUILDING
UNDERGROUND GARAGE WITH 200 PARKING LOTS

BUILDING VOLUME:
57.000M³

CONSTRUCTION PERIOD:
1992

DORINT AN DER MESSE KÖLN-DEUTZ

THE EXCLUSIVE FOUR-STAR HOTEL DORINT AN DER MESSE KÖLN-DEUTZ (GERMANY), WHICH IS SITUATED ON THE AREA OF COLOGNE'S CONVENTION CENTER, WAS BUILT IN 2001. THE HOTEL OFFERS 313 ELEGANTLY FURNISHED ROOMS, A BEAUTY AND WELLNESS DEPARTMENT AND 13 CONFERENCE ROOMS FOR UP TO 550 PERSONS.



FOR THE CONSTRUCTION OF THE DORINT AN DER MESSE KÖLN-DEUTZ SPECIAL LOADBEARING SYSTEMS HAD TO BE DEVELOPED DUE TO THE REQUESTED COLUMN-FREE AREAS. FURTHERMORE, THE CONSTRUCTION COMPONENTS HAD TO BE FIRMLY STABILIZED BECAUSE OF THE STRONG SEISMIC ACTIVITIES IN THIS REGION (RHINE LOWLANDS). IN ORDER TO SUPPORT THE LOADS OF THE UPPER FLOORS, COMPOSITE BEAMS AND PLATE GIRDERS, PARTLY 18 METERS LONG, WERE SUCCESSFULLY USED IN COMBINATION WITH THE VS-SYSTEM.

VS-SYSTEM CONSTRUCTION COMPONENTS:
UNDERGROUND GARAGE
TWO BASEMENTS
SIX UPPER FLOORS
LARGE PATIO

BUILDING VOLUME:
95.000M³

CONSTRUCTION TIME (BUILDING SHELL):
8 MONTHS



DORINT AM NÜRBURGRING

FOR THE DORINT HOTEL AM NÜRBURGRING (GERMANY) VPG'S ENGINEERS WERE RESPONSIBLE FOR THE CONSTRUCTION OF AN ANNEX AS WELL AS AN EXTENSION OF THE EXISTING HOTEL. THE HOTEL IS SITUATED DIRECTLY AT THE FORMULA 1 GRAND PRIX CIRCUIT NÜRBURGRING AND OFFERS 207 MODERN ROOMS, SAUNA, INDOOR SWIMMING POOL, STEAM BATH, SOLARIUM, BEAUTY CENTER AND CONVENTION ROOMS FOR UP TO 1.000 PERSONS.



THE WHOLE CONVENTION AREA IS COLUMN-FREE, THE LOADS OF THE UPPER FLOORS ARE SUPPORTED WITH A COMPOSITE BEAM CONSTRUCTION (SPAN: 19,50M). THE WHOLE BUILDING IS SITUATED IN A GEOLOGICALLY CRITICAL ZONE AND THUS REQUIRED A PILE FOUNDATION. A WIDE-SPAN STEEL CONSTRUCTION WAS USED FOR THE EXTENSIONS OF THE EXISTING HOTEL.

BUILDING COMPONENTS:
UNDERGROUND GARAGE
FIVE UPPER FLOORS
CONVENTION AREA WITH 950M² FLOOR SPACE

BUILDING VOLUME:
24.100M³

YEAR OF COMPLETION:
2001



DORINT KÖLN-JUNKERSDORF

THIS BUSINESS HOTEL IS SITUATED AT COLOGNE'S AACHENER STRASSE (GERMANY) AND OFFERS 145 COMFORTABLE ROOMS, A RESTAURANT AND SIX CONFERENCE ROOMS. VPG'S ENGINEERS WERE RESPONSIBLE FOR WORKING DRAWINGS, STRUCTURAL ANALYSIS AND SITE MANAGEMENT.



DUE TO THE HOTEL'S LOCATION IN THE CITY CENTER THERE WAS ONLY LITTLE STORAGE SPACE DURING THE CONSTRUCTION OF THE HOTEL. IN ADDITION, THE HOTEL IS SITUATED AT THE BUSY AACHENER STRASSE WHICH REQUIRED VERY GOOD SOUND INSULATION.

BUILDING COMPONENTS:
UNDERGROUND GARAGE WITH 82 PARKING LOTS
18 APARTMENTS

BUILDING VOLUME:
30.300M³

YEAR OF COMPLETION:
1999

DORINT SÖL'RING HOF/SYLT

THIS PICTURESQUE HOTEL IS LOCATED IN THE MIDDLE OF THE ROMANTIC DUNES OF THE NORTH SEA RESORT RANTUM ON THE SYLT ISLAND (GERMANY). IT OFFERS 15 LUXURIOUS ROOMS AND SUITES, A GOURMET RESTAURANT, A WINE CELLAR, SALON WITH FIRESIDE, WELLNESS DEPARTMENT AND A LARGE TERRACE OVERLOOKING THE DUNES AND THE SEA.



THE VS COMPOSITE FORMWORK SYSTEM WAS USED FOR THE LOAD-BEARING ELEMENTS. FURTHERMORE, THE FIVE-STAR HOTEL WAS PROVIDED WITH A THATCHED ROOF WHICH IS TYPICAL FOR THIS REGION.

BUILDING VOLUME:
5.000M³

CONSTRUCTION TIME (BUILDING SHELL):
9 WEEKS



TRYP HOTELS

THIS HOTEL TYPE WAS DEVELOPED FOR THE THREE-STAR SEGMENT BY VPG'S ENGINEERS AND THEIR CLIENTS. THE MAIN FEATURE ARE COST-EFFECTIVE ROOM TYPES WITH SPECIAL BATHROOM UNITS. THE CONSTRUCTION TIME FOR EACH HOTEL WAS ABOUT SIX MONTHS.



TRYP CENTRO OBERHAUSEN
LIKE FOR ALL HOTELS OF THE TRYP CHAIN, VPG'S ENGINEERS TOOK CARE OF THE WORKING DRAWINGS, STRUCTURAL ANALYSIS AND SITE MANAGEMENT FOR THE TRYP CENTRO OBERHAUSEN (GERMANY). THE THREE-STAR CONFERENCE VENUE OFFERS 136 ROOMS, THREE SUITES AND THREE CONFERENCE ROOMS FOR A TOTAL OF 125 PERSONS.

YEAR OF COMPLETION: 1996

TRYP HOTEL DÜSSELDORF KREFELD
THE THREE-STAR HOTEL STANDS OUT BECAUSE OF ITS EXCELLENT LOCATION IN THE MIDDLE OF THE BUSINESS PARK EUROPAPARK FICHTENHAIN IN DÜSSELDORF (GERMANY). IT IS ONLY TEN MINUTES AWAY FROM THE INTERNATIONAL AIRPORT DÜSSELDORF, THE CONVENTION CENTER AND THE CITY CENTER. THE HOTEL ITSELF IS SURROUNDED BY A LARGE PARK, A POND AND FORESTS.

BUILDING VOLUME:
13.000M³

TRYP HOTEL POTSDAM MICHENDORF
THE HOTEL HAS 125 COMFORTABLE ROOMS, SAUNA, FITNESS STUDIO AND FREE PARKING LOTS IN FRONT OF THE BUILDING. THE SPANISH RESTAURANT "BODEGA DEL SOL" OFFERS CULINARY DELIGHTS IN A TYPICALLY SPANISH ATMOSPHERE.

YEAR OF COMPLETION: 1997

TRYP HOTELS

HALLE WESTFALEN SPORTPARKHOTEL

THE EXCLUSIVE FOUR-STAR HOTEL IN HALLE/WESTPHALIA (GERMANY) OFFERS 186 BEDS, AN ITALIAN RESTAURANT, A SAUNA, A PARK AND A LARGE AND MODERNLY EQUIPPED CONVENTION AND CONFERENCE CENTER.



TRYP HOTEL DORTMUND

THE FASHIONABLE THREE-STAR HOTEL IS QUIETLY SITUATED ON THE UNIVERSITY CAMPUS OF DORTMUND (GERMANY), CLOSE TO THE "TECHNOLOGISCHER PARK" AND THE CITY CENTER.

IT OFFERS 90 COMFORTABLE ROOMS, A RESTAURANT, SAUNA AND SOLARIUM.

BUILDING VOLUME:

13.000M³

YEAR OF COMPLETION:

1996

TRYP KONGRESSHOTEL MÜNSTER

THE ELEGANT KONGRESSHOTEL IS SITUATED AT THE RIVER HALLE MÜNSTERLAND (GERMANY).

IT OFFERS 127 ROOMS, SAUNA, RESTAURANTS AND FOUR CONFERENCE ROOMS.

BUILDING VOLUME:

18.000M³

CONSTRUCTION TIME:

6 MONTHS

YEAR OF COMPLETION:

2000



VPG'S ENGINEERS TOOK CARE OF THE DESIGN, WORKING DRAWINGS, SITE MANAGEMENT AND STRUCTURAL ANALYSIS.

BUILDING VOLUME:

31.000M³

YEAR OF COMPLETION:

1994

HOUSING PROJECTS VIENNA

IN THREE VIENNA CITY DISTRICTS (AUSTRIA) VPG'S ENGINEERS WERE RESPONSIBLE FOR THE PLANNING AND IMPLEMENTATION OF MODERN HOUSING PROJECTS. ALL FOUR BUILDINGS MEET ALL REQUIREMENTS ON CONSTRUCTION PHYSICS.



YEAR OF COMPLETION:
 VIERTHALER BUILDING, 12TH DISTRICT: 1996
 MATZINGER BUILDING, 14TH DISTRICT : 1997
 GRABMAYER BUILDING, 21ST DISTRICT: 1997
 PICHELWANGER BUILDING, 21ST DISTRICT: 1997

WUTHA FARNRODA

THE ENTIRE ESTATE OF TERRACED HOUSES WITH UNDERGROUND GARAGES IN WUTHA-FARNRODA/FREESTATE OF THURINGIA (GERMANY) WAS ERECTED USING THE VS-SYSTEM. VPG'S ENGINEERS WERE RESPONSIBLE FOR FILING, WORKING DRAWINGS AND STRUCTURAL ANALYSIS.



YEAR OF COMPLETION:
 1993



FAMILY HOME

DR. VOCKNER

DURING THE CONSTRUCTION OF THIS FAMILY HOME IN SAALFELDEN (AUSTRIA) VPG'S ENGINEERS WERE RESPONSIBLE FOR THE WORKING DRAWINGS. THE EXISTING BUILDING WAS ADAPTED AND TOPPED WITH A BARREL ROOF.



FAMILY HOME

GASSNER

THE SPACIOUS FAMILY HOME IN SAALFELDEN (AUSTRIA) WAS ERECTED ON A SLIGHT SLOPE AND HAS 200M² OF LIVING SPACE, A WINTER GARDEN AND A DOUBLE GARAGE. DUE TO THE MOUNTAINSIDE CONSTRUCTION PARTS OF THE 175M² BASEMENT ARE WELL DAYLIT. VPG'S ENGINEERS WERE RESPONSIBLE FOR THE PLANNING OF THE BUILDING. THE ENTIRE BUILDING SHELL WAS ERECTED WITH VS-SYSTEM ELEMENTS.



BUILDING VOLUME:
1.600M³

YEAR OF COMPLETION:
1999

LAKE HOUSE DR. TRAPP

THE BUILDING SHELL FOR THIS LUXURIOUS FAMILY HOME IN WUSTROW (GERMANY) WAS ERECTED USING VS-SYSTEM ELEMENTS AS WELL AS HAND-SHAPED CLINKER BRICKWORK FOR THE EXTERNAL WALLS. THE HOUSE IS IDYLICLY SITUATED AT THE BALTIC SEA RESORT OF WUSTROW AND HAS A THATCHED ROOF WHICH IS TYPICAL FOR THIS REGION.



YEAR OF COMPLETION:
1998



FAMILY HOME ON A SLOPE

THE FAMILY HOME IN ZELL AM SEE (AUSTRIA) WAS BUILT ON A STEEP SLOPE. THE GRASS-COVERED ROOF ALMOST "HIDES" THE BUILDING IN THE SURROUNDING ENVIRONMENT. IT HAS SEVERAL LEVELS AND WAS PLANNED WITH AN OPEN GROUND PLAN THAT ALLOWED THE STEPLIKE CONSTRUCTION ALONG THE SLOPE.



ALLEEKLINIK BERGSTRASSE/BENSHEIM

THIS CLINIC IN BENSHEIM (GERMANY) OFFERS OUTPATIENT AND SHORT-TIME TREATMENTS IN THE FOLLOWING DEPARTMENTS: ONCOLOGY, PLASTIC SURGERY, ORTHOPEDICS, NEUROLOGY, UROLOGY AND JAW AND FACE SURGERY. IN ONLY SEVEN MONTHS VPG'S ENGINEERS ERECTED AN ADDITIONAL WARD, A BISTRO AND AN UNDERGROUND GARAGE.



BUILDING VOLUME:

7.500M³

YEAR OF COMPLETION:

1998

CAROLINE OETKER STIFT

THE CAROLINE OETKER STIFT IS A LARGE FIRST-CLASS RETIREMENT HOME ON THE JOHANNISBERG ABOVE BIELEFELD (GERMANY). IS HAS 103 LUXURIOUS APARTMENTS, A CHAPEL, BOWLING ALLEYS, A LARGE PARK AND AN INDOOR SWIMMING POOL.



DUE TO THE VERY STEEP SITE A BACKWARDLY ANCHORED BORE PILE WALL WAS USED TO SECURE THE BUILDING PIT.

CONSTRUCTION STAGES:

UNDERGROUND GARAGE

103 LUXURIOUS APARTMENTS

VILLA (CONNECTED BY AN UNDERGROUND PASSAGE)

LARGE PARK WITH ORANGERY

BUILDING VOLUME:

48.000M³

YEAR OF COMPLETION:

1994/1995



STANGLWIRT FELSENBAD

THE SO CALLED "FELSENBAD" OF THE FAMOUS STANGLWIRT IN GOING (TYROL/AUSTRIA) IS AN INDOOR AND OUTDOOR SWIMMING POOL WHICH WAS ERECTED ON A SLIGHT SLOPE. THE WIDE SUPPORTING STRUCTURE WAS COMBINED WITH TIMBER AND MASONRY TO FORM A COSY ENVIRONMENT. BIG ROCKS (UP TO 20 TONS) IN AND AROUND THE POOLS CONTRIBUTE TO THE UNIQUE ATMOSPHERE.



BUILDING VOLUME:
3.500M³

YEAR OF COMPLETION:
1986

STANGLWIRT INDOOR TENNIS COURT

FOR THE CONSTRUCTION OF STANGLWIRT'S INDOOR TENNIS COURT VPG'S ENGINEERS TOOK CARE OF THE PLANNING, STRUCTURAL ANALYSIS AND SUPPLY OF THE PATENTED THREE-HINGED FRAME (A PRECAST MEMBER). THE BUILDING WAS ERECTED ON A SLOPE WHICH IS WHY THE EIGHT-METER HIGH GABLE WALL WAS BUILT INTO THE SOIL. DUE TO THE GRASS-COVERED ROOF THE BUILDING HARMONICALLY BLENDS WITH THE ENVIRONMENT.



BUILDING VOLUME:
35.000M³

YEAR OF COMPLETION:
1988

FREIZEITZENTRUM FILZMOOS

THE MODERN LEISURE CENTER FREIZEITZENTRUM FILZMOOS (AUSTRIA) OFFERS INDOOR AND OUTDOOR SWIMMING POOLS, SAUNAS, BISTRO, CLIMBING WALLS, PLAYGROUND, BOWLING ALLEYS, SOLARIUM AND A CONFERENCE ROOM.



VPG'S ENGINEERS WERE RESPONSIBLE FOR THE PLANNING, PROJECT MANAGEMENT, STRUCTURAL ANALYSIS AND SITE MANAGEMENT. SINCE THE BETTER PART OF THE SWIM HALL IS COLUMN-FREE, A COMPLEX STEEL STRUCTURE WAS USED.

BUILDING VOLUME:
6.200M³

YEAR OF COMPLETION:
2000

LICHTTECHNIK LEUCHTWURM

FOR LEUCHTWURM LICHTTECHNIK, A LIGHTING TECHNOLOGY COMPANY IN WIESING (TYROL, AUSTRIA), AN OFFICE AND EXHIBITION BUILDING WITH SELLING AREAS AND STORAGE ROOMS WAS ERECTED.

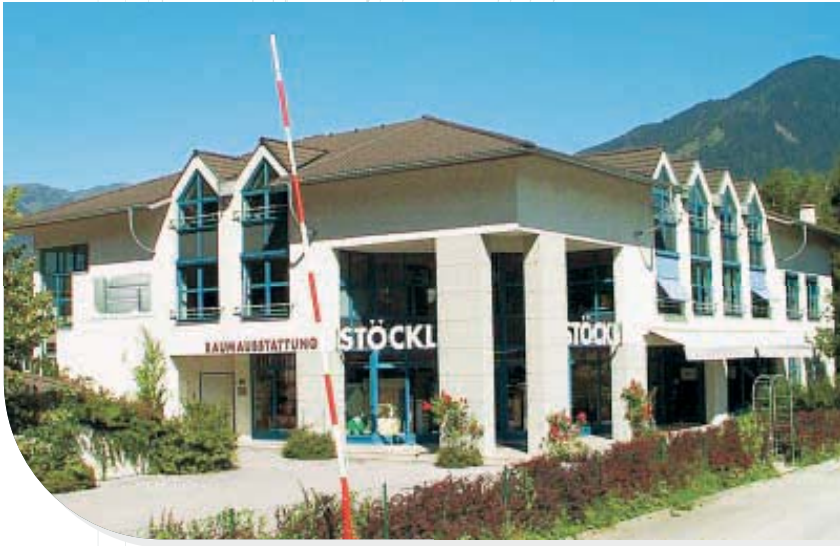


BUILDING VOLUME:
8.600M³

YEAR OF COMPLETION:
1990

OFFICE BUILDING ZELL AM SEE

IN 1993 AN OFFICE BUILDING WITH 900M² OF OFFICE SPACE AND A 500M² SELLING AREA WAS ERECTED TO HOUSE THE HEADQUARTERS OF VPG VERBUNDSYSTEME IN ZELL AM SEE (SALZBURG, AUSTRIA). FURTHERMORE, AN UNDERGROUND GARAGE FOR 20 CARS WAS BUILT (WATERTIGHT CONSTRUCTION) AS WELL AS AN ATRIUM ON THE SECOND FLOOR.



THE ATRIUM WAS ROOFED WITH A STEEL-GLASS CONSTRUCTION.

BUILDING VOLUME:
7.000M³

CONSTRUCTION TIME:
8 MONTHS

PIESENDORF SENOPLAST

SINCE 1978 VPG'S ENGINEERS HAVE BEEN ERECTING SEVERAL PRODUCTION HALLS FOR SENOPLAST, A MANUFACTURER OF PLASTIC SEMIPRODUCTS SITUATED IN PIESENDORF (SALZBURG/AUSTRIA). THE LAST PROJECT, FOR EXAMPLE, WAS THE ERECTION OF A 13.000M³ HALL FOR PLASTIC PRODUCTION AND PROCESSING IN 1997.



THE CRITICAL GEOLOGICAL SITUATION AND THE HIGH GROUND-WATER LEVEL IN THIS REGION REQUIRE PILE FOUNDATIONS. THE ARCHITECTURAL CONCEPT WAS AWARDED SEVERAL PRIZES.

BUILDING VOLUME:
70.000M³

UTTENDORF

TECHNO Z

FOR THE BUSINESS PARK TECHNO Z IN UTTENDORF (SALZBURG, AUSTRIA) VPG'S ENGINEERS TOOK CARE OF THE PLANNING, PROJECT MANAGEMENT AND STRUCTURAL ANALYSIS OF AN INDUSTRIAL HALL PLUS WAREHOUSE AND OFFICE BUILDINGS FOR THE ADMINISTRATION AND RESEARCH DEPARTMENTS. THE CONSTRUCTION TIME AMOUNTED TO EIGHT MONTHS.



THE INDUSTRIAL HALL/WAREHOUSE IS SITUATED CLOSE TO A LARGE RIVER WHICH IS WHY A WIDE THREE-SPAN HALL CONSTRUCTION WAS USED.

BUILDING VOLUME:
36.500M³

YEAR OF COMPLETION:
1999

JENA

COLUMBUS CENTER

THE COLUMBUS CENTER JENA (GERMANY) HOUSES SHOPS AND SERVICE ENTERPRISES OF ALL KINDS. DURING THE CONSTRUCTION OF THIS MODERN BUSINESS CENTER VPG'S ENGINEERS WERE RESPONSIBLE FOR THE PLANNING, PROJECT MANAGEMENT AND STRUCTURAL ANALYSIS.



IN ADDITION, A PARKING GARAGE FOR 350 CARS WAS IMPLEMENTED.

BUILDING VOLUME:
38.000M³

YEAR OF COMPLETION:
1992





CONSTRUCTION SITE DORINT HOTEL AN DER MESSE KÖLN-DEUTZ



CONSTRUCTION SITE KRISTOFF PLAZA APARTMENTS, TRENČIANSKE TEPLICE

VPG VERBUNDSYSTEME PLANUNGS-PRODUKTIONS-BAUGESELLSCHAFT MBH

DEPARTMENT FOR STRUCTURAL ANALYSIS AND STRUCTURAL DESIGN

FIELDS OF ACTIVITIES: STRUCTURAL ENGINEERING
 INDUSTRIAL CONSTRUCTION
 CIVIL ENGINEERING
 SPECIAL CONSTRUCTIONS

OUR SERVICES:

STRUCTURAL DESIGN: PRELIMINARY DESIGN, DESIGN
 PLANNING FOR PERMISSION TO BUILD

WORKING DRAWINGS: STRUCTURAL ANALYSIS
 REINFORCEMENT DRAWINGS
 STEEL CONSTRUCTION DRAWINGS
 TIMBER CONSTRUCTION DRAWINGS
 PREFABRICATED COMPONENT DRAWINGS

PROJECT MANAGEMENT: CONSTRUCTION MANAGEMENT
 CALL FOR TENDERS, AWARD OF CONTRACTS, TIME SCHEDULING
 COORDINATION
 ON-SITE CONSTRUCTION SUPERVISION

CONSULTING SERVICES: FEASIBILITY STUDIES
 PROFITABILITY CALCULATION
 RENOVATION

CONSTRUCTION PHYSICS: THERMAL PROTECTION
 SOUND INSULATION
 HUMIDITY PROTECTION

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PAGE 13, 14: AGENTUR GRONEWALD, 45276 ESSEN AN DER RUHR
PAGE 20: FAMILY DR. TRAPP, OSTSEEBAD WUSTROW
PAGE 21: ARCH. DI EVA M. GRIBER, 5700 ZELL AM SEE
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PLANUNGS-PRODUKTIONS-BAUGESSELLSCHAFT MBH
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A-5700 ZELL AM SEE

"WHAT MATTERS IS A FUNDAMENTAL TRANSFORMATION OF CIVIL ENGINEERING
AND NOT A RATIONALIZATION OF PAST WORKING METHODS."

[LUDWIG MIËS VAN DER ROHE, »INDUSTRIELLES BAUEN«, 1924]

OUR INNOVATIVE COMPOSITE FORMWORK SYSTEM ALLOWS
INDUSTRIALIZATION AND HIGH FLEXIBILITY. AT THE SAME TIME
IT MEETS ALL ECOLOGICAL AND ECONOMICAL REQUIREMENTS.