

**PARS**  
BUILDING

1991 CUKROSPOL PRAHA, MODRANY SUGAR RAFINERY - Design and execution of weighing device 2 x 10 t, design of a packing plant and storehouse | AUTOSERVICE TUKAS - design and delivery of steel structure of the object | CENTRAL MILITARY HOSPITAL STRESOVICE | 1992 HOTEL ANNA, BUDECŠKÁ ST., VINOHRADY - Object reconstruction, comprehensive delivery including design | KLIMA BRICKWORK - CESKÝ BROD - Design of a milling plant building conversion | 1993 PRIMARY SCHOOL V UVOZU, PRAHA 1 - Project of damp brickwork rehabilitation | CONFERENCE HALL, DISTRICT MUNICIPALITY, PRAHA 1 - Reconstruction design | SUGAR REFINERY DOBROVICE - Design of sugar beat input - 5,000 tones a day - structural part | SUGAR REFINERY, ZATEC - A study of sugar storehouse of 8,000 - tonne capacity | SUGAR REFINERY, VRDY - Design of building conversion - sludge press room | SERVICE STATION MASEK - Design of supporting framework | PRAGOŠOJA - Design of supporting framework | 1994 RUBIN RESTAURANT PSARY - Design | SUGAR REFINERY VRBATKY - Delivery of storage tank 22/15 m | METALLURGIC PLANT CELAKOVICE - Delivery of steel structure of a smokestack 1800 mm/15 m | CEMENT FACTORY CEBIN - Design and delivery of steel structure for technology | HEATING STATION CESKE BUDEJOVICE - Design and delivery of steel structure for electrical separator | EME HORNI POCAPLY - Design and buildup of a mixing centre | RECONSTRUCTION OF FYTOTRON BUILDING - for the Crop Research Institute - comprehensive project including design | 1995 OSSZ PRAHA 10, V KORYTECH - Building rehabilitation - design of supporting framework | DISTRICT SOCIAL SECURITY ADMINISTRATION KOLIN - Building rehabilitation - static part, design | SUGAR REFINERY SURANY - Design of mill explosion chamber | CEMENT AND LIME FACTORY MOKRA - Design and delivery of steel structure beneath the bins | PRAGOCEMENT RADOTÍN - CEMENT BOHEMIA - Design and delivery of steel structure for cement bins. Design and delivery, underpinning of smokestacks 2 x 40 m. Design and delivery of steel structure beneath centrifugal separators. Design and delivery of two smokestacks. Design and delivery of roofing for gaps between cement bin | SILON PLANÁ, EXPERIMENTAL CENTRE FOR FLY ASH - Design of the construction part | BUILDUP OF CENTRAL DEPOSITORY FOR THE SCIENTIFIC MUSEUM - A PART OF THE NATIONAL MUSEUM PRAGUE, RESIDENT IN HORNI POCERNICE (BUILT-UP AREA 10,000 M<sup>2</sup>) - Planning permit documentation, building permit documentation, construction documents, acting in the capacity of main architect | 1996 DANY TRAVEL - Building conversion of offices - design and delivery | INTEGRAL OBJECT E - NOVUM (BUILT-UP AREA 2,400 M<sup>2</sup>) - Design of a multifunctional object - building permit, execution drawings, supervision | WOODWORKING PLANT JIHLAVA - Design of steel structure beneath filters | HEATING STATION DVUR KRALOVE - Design and delivery of steel structure for electrical separators | 1997 MLÝNSKY DOMOV RESTAURANT - design | STZ KOMORANY - Delivery of steel structure, 1997, Delivery of steel structure, 1998, Delivery of steel structure, 1999 | POWER PLANT PORICI - TRUTNOV - Design and delivery of steel structure for electrical separators | POWER PLANT PORICI - CHVALETICE - Design and delivery of steel structure for electrical separators. Delivery of steel structure for konimeter platform | CEMENT FACTORY CIZKOVICE - Design and delivery of steel structure for electrical separators | RECONSTRUCTION OF THE U HYBERNU HOUSE - Structural analysis of carcass roof | 1998 CEMENT BOHEMIA - structural report | BUILDUP OF WAREHOUSE COMPLEX FM LOGISTICS, TUCHOMERICE NEAR PRAGUE - Building permit documentation, documentation for tender to select contractor, supervision | KS - RAYAN - Foundation beneath the turbine, compressor, skid and pneumatic conveyor, Implementation documents, construction and static parts | BRATISLAVA METRO PROJECT - Associated object, Building permit documentation | VUC - corrected calculation of steel structure for the 2nd and 4th stories of the service building | 1999 EXTENSION AND COMPLETION OF THE COCA COLA BEVERAGES PLANT IN PRAHA - KYJE - halls 5, 6 and 7, extension of hall 4, extension of administration building, construction documentation | MUNICIPALITY VELKA DOBRA - buildup of 48 self - contained houses. Building permit documentation for utility lines, execution drawings | BUILDUP OF CENTRAL DEPOSITORY FOR THE SCIENTIFIC MUSEUM - Proposed information system, control centre, objects E, C | LONZA - floor modification | ZVOLENEVES SUGAR FACTORY - design of steel structure | KLIKA A DVORAK - BUILDING PERMIT - LANDFILL EXTENSION | SIPA LINE - recalculated crane rails | LINK NEBUSICE - structural object analysis | STAVIS KLADNO - modification of nursery school classes illumination | DIPRA - structural object analysis | FAMILY HOUSE VELKA DOBRA - building permit design | UCL PRAHA RUZYNE | CESKOMORAVSKÝ CEMENT A.S. - plotting the object and the technology | 2000 MUNICIPALITY VELKA DOBRA - buildup of 48 self - contained houses, as-built documentation of sewerage | COCA COLA BEVERAGES - soft drink production, building conversion of in hall 3, manufacture of PET bottles, Husky, road, pipeline bridge, shelter for tank containers | ADMINISTRATION BUILDING PRAHA 8 - INVALIDOVNA - Planning permit documentation | MARIANSKA POLE - Zoning proceedings documentation | MELCO SLANY - BUILDUP OF A NEW PLANT - Zoning proceedings documentation, building permit documentation, tender documentation | ADMINISTRATION BUILDING RECONSTRUCTION, CESKÁ RAFINERSKE A.S. - Kralupy nad Vltavou, building permit documentation, building permit procurement, execution drawings | WESTVACO SVITAVY - extension of existing plant, building permit documentation of the structural part, execution drawings - structural and building parts | HALL ZADAK HOSTIVICE - CONSTRUCTION MATERIALS - Execution drawings and as - built documentation of the steel structure - shelter | EO IRAN | MULTIPLEX CINEMA HK - as - built documentation - steel structure, as - built documentation of the structural part | LIME WORKS CERTOVY SCHODY - reinforcement of ceiling above the compressor station | 2001 RCP PRAHA, DANUBE HOUSE - Object 1 - atrium, execution drawings and as-built documentation of, Atrium steel structure | VYSOCANSKA BRANA - Building permit documentation of the structural part | CEBALSOL VELIM, FACTORY BUILDING - Building permit documentation, tender documentation - structural part, As - built documentation - steel structure | SKODA KVASINY, PAINTING SHOP - Execution drawings of steel structure, as - built documentation | BREDOVSKY DVUR - Steel structure - part of roofing, as - built documentation, structural and building parts | SMP OSTRAVA - DESIGN OF ALUMINIUM FACADE | COCA COLA BEVERAGES - inserted storey for replacement parts storage, building permit documentation | RD MELNIK - execution drawings - structural and building parts | EXTENSION - TENNIS HALL, TENNIS CLUB SPARTA PRAHA - Tender documentation, execution drawings - roofing and ceiling steel structure | CHZ SOKOLOV - foundations and pits | HEATING STATION CHOMUTOV - BURWITZ | US STEEL KOSICE - design of foundation, operational and as-built documentation of stair tower steel structure | 2002 LOVOCHEMIE - shop drawings of steel structures of platform | HOLLANDIA, KRASNE UDOLI - Production documents of manufacturing hall, curtain wall and soffits | LIME WORKS CERTOVY SCHODY - Storage bin for ground limestone 830 m<sup>3</sup>, screening room platform, steel structure execution drawings and as-built documentation | SMP OSTRAVA - Design of aluminium facade | COCA COLA BEVERAGES - Inserted storey for replacement parts storage, building permit documentation of storehouse floor | FLEXON VESTEX - production hall, execution drawings and as - built documentation of steel structure | BOHUMILE - approval documentation and as - built documentation of steel structure | FAMILY HOUSE VINOR - execution drawings | 2003 APARTMENT HOUSE ZLICIN - Building permit design - structural and building parts, Execution drawings - structural and building parts | LIME WORKS CERTOVY SCHODY - structural assessment of chimney | TEACHING HOSPITAL MOTOL - power economics optimisation, execution drawings of steel structure | TERMIZO LIBEREC - boiler plant extension, Execution drawings, as - built documentation of the steel structure | KOTOUC STRAMBERK - construction design and as - built documentation of steel structure | HANNAH PLZEN - glass staircase, Operational and as - built documents | SAZKA, SMALL ARENA -approval and as - built documentation of aluminium facade | ANDEL PARK SMICHOV - Steel structure of administration building, Design and as-built documentation of the steel structure | BTP PRAHA - Design of facade | EMC RADIO PLAZA - design of facade | COCA COLA BEVERAGES - assessment of office building ceiling, staircase extension, corridor, production, platform, shelter, inserted storey, technology surveying | ZOO PRAHA - repair of flat roofs, house for beasts of prey, execution drawings | LIME WORKS CERTOVY SCHODY - Gabion buttress wall at the primary grinding plant, execution drawings | 2004 RCP PRAHA, NILE HOUSE - Building B4 - atrium, execution drawings and as - built documentation, atrium steel structure | CIUR A.S. - Reconstruction of storehouse age damaged by fire - modification of documents for building permit prior to completed construction, execution drawings | ZOO PRAHA - design of hinterland for buffaloes | COCA COLA BEVERAGES - storehouse of dockets, predicted load on administration building superstructure | COCA COLA BEVERAGES - Plotting in production lines technology | HAVLICKUV BROD RINK - design and as - built documentation of the steel structure of gym and stands | CIUR A.S. - build up of garages, building permit documentation, execution drawings - structural and building parts, co-ordination of professional design activities, supervision | LIME WORKS CERTOVY SCHODY - structural analysis of conveyor bridge | LIME WORKS CERTOVY SCHODY - Milling plant reconstruction | COCA COLA BEVERAGES - Transfer of the CO2 station - design | TROJSKY VRSEK - as - built documentation of staircase wall | BRAUNUV DVUR - roofing, design for building permit and execution drawings of a glass roof | LOCKSMITH'S WORKSHOP PILSEN SKVRNANY - Design and as - built documentation of roofing | CEMENT HRANICE - structural analysis of roofing for Enven a.s. | CESKOMORAVSKÝ CEMENT A.S. - design of valve - bloc holes | LIME WORKS CERTOVY SCHODY - Repair of existing crane rails at limestone milling plant - design and as - built documentation | ANDEL PARK SMICHOV - Steel spiral staircase | 2005 BLATENSKE STROJIRNY BLATNA -Structural assessment of design of feeding hopper ramp for Belaz at SSZ Chomutovice | LIME WORKS CERTOVY SCHODY - Reconstruction of primary and secondary grinding plants Proviacal, conveyor belt, roads and reinforced surfaces - building permit documentation and execution drawings - structural and building parts, supervision | ANDEL PARK SMICHOV - Design and as - built documentation of steel structure sunshades, aerial, and staircase leading to the cafe | RCP PRAHA, NILE HOUSE - Building B4 - atrium - assessment of fire - resistance rating of the atrium steel structure, calculation of natural frequencies, reviews | CIUR A.S. - As - built documents of garage roof | DIAMOND POINT TESNOV - Pedestrian bridge over the road at the Hilton hotel; steel structure of balconies, chimney and aerial - execution drawings | OPTIMA BUTOVICE - GALERIE BUTOVICE - Execution drawings of the staircase steel structure in the administration part, structure of aquarium envelops | CESKOMORAVSKÝ CEMENT - As - built documents for the steel structure of the cement expedition building, structural analysis of steel structure forces | CITY TOWER PANKRAC - CONT'D - Tender documentation and execution drawings of steel structure in completion of the high - rise administration building at Pankrac | CIUR A.S. - painting shop | STRAND - assessment and calculation of canopy for the Slezská boarding - house | ADMINISTRATION CENTRE ZLICIN - design and as - built documents of the central air shaft | BRAUNUV DVUR - design of new courtyard roof | VILA DEVIN - building permit documentation - structural part | PRIMARY SCHOOL TUCHLOVICE - reconstruction: design of facade, reinforced areas, athletics field | BRAUNUV DVUR - ROOFING - As - built documentation - construction work suspended | LIME WORKS CERTOVY SCHODY - secondary grinding plant jacket | LIME WORKS CERTOVY SCHODY - repair of milling plant frame - design, production preparation, supervision | CESKOMORAVSKÝ CEMENT - cement cooling plant foundations - building permit documentation, execution drawings | CESKOMORAVSKÝ CEMENT - stationary hammer | APARTMENT HOUSE U PANSKÉ ZAHRADY - preparation of structural part of zoning documentation | 2006 PALLADIUM - execution drawings of locksmiths' structures | SIPRAL JRNY WAREHOUSE - zoning documentation - structural part | DELTA CLIMATISER A.S. - digitisation of objects in Holešovice market hall | CESKOMORAVSKÝ CEMENT - MOKRA - technical opinion of structural design of steel structure of electricity meter frame | DELTA CLIMATIZER A.S. - Design of stalls for Vietnamese retailers in Holešovice market hall | APARTMENT HOUSE POUPETOVA - design of handrail and terraces including glass handrail panels | ALES VESELY - POHYBLIVY BABEL - Technical consultation concerning design of sculpture | ATELIER 6 - APARTMENT HOUSE NEAR KRIZOVNICKÝ DVUR - structural part of zoning documentation | PALLADIUM - promotional glass box | LIME WORKS CERTOVY SCHODY - renovation of limestone area 24, building permit documentation, execution drawings, as - built documentation of steel structure | PALLADIUM - technical assistance with underpinning roofs by means of HP profiles: ramp design | FAMILY HOUSE .82°, PRAHA, POD BATERIEMI - building permit documentation - structural and building parts | SCHOTT VALASSKÉ MEZIRICI - steel structure of mixers | BATCH PLANT HERMANOVA HUT - design and calculation of acting forces | SORBACAL HINLOW - basic design | BENT ROOF POVRLY - structural assessment | TESNOV PLACE - steel built - in roof | AMAZON COURT - building permit documentation - steel structure part | 2007 FAMILY HOUSE .82°, PRAHA, POD BATERIEMI - execution drawings - structural and building parts | MUNICIPAL TRANSPORT TERMINAL HK SO 701- execution drawings of the steel structure part, as-built documentation | PALLADIUM - staircase between the former barracks and the main building, glass portal in the hippodrome | LIME WORKS CERTOVY SCHODY - pneumatic transport for railway forwarding, new silo - study | MBO COURTYARD ROOF - design and as-built documentation | AMAZON COURT - execution drawings of atrium, bridges, roofing | KARAMEL - structural analysis of glass | 2008 ARKADY PANKRAC - co - operation in steel structure concept | AMAZON COURT - as - built documentation of atrium pillars and roofing | HERMANOVA HUT - new structural analysis of container | AMAZON COURT - GABLE WALL - realisation and as - built documentation | LIME WORKS CERTOVY SCHODY - modernisation of lime modification area 23 - building permit documentation, execution drawings, as - built documentation of steel structure | BRALEP LEDCICE - design and structural assessment of containers steel structure | LIME WORKS CERTOVY SCHODY - coke container - a study | TODACH HRANICE - tower steel structure | LIME WORKS CERTOVY SCHODY - refurbishment of truss in secondary grinding plant | VSP PLZEN - building permit documentation - structural part | BUILDUP OF THE CLASSIFICATION CENTRE IN CHRASTANY - tender documentation, execution drawing | LIME WORKS CERTOVY SCHODY - plotting the existing technological part of the milling plant | LIME WORKS CERTOVY SCHODY - shed for vehicle inspection | SO PREU NUJESLŠKÝ MOST - ELTODO - festive decoration on the occasion of Czech EU presidency - building permit documentation and as - built documentation of the steel structure - not realised | 2009 LIME WORKS CERTOVY SCHODY - study of new milling plant, design of emergency tank roofing | ARCELOR MITTAL OSTRAVA - AGGLOMERATION NORTH - INSTALLATION OF CLOTH FILTERS LUHR - execution drawings of the steel structure | COMMUNITY CENTRE BB C - opinion on steel elements of the separation wall | LIME WORKS CERTOVY SCHODY - area 28, railway dispatch of ground lime, silo D5, operational and as-built documentation | LIME WORKS CERTOVY SCHODY - projects 6 and 7, zoning documentation and building permit documentation | A. M. O. S - warehouses, zoning documentation, structural analysis and as - built documentation of the steel structure | HOBBY CENTRE CESKE VRBNE - execution drawings, part steel structure | FONDATION D' ENTREPRISE LOUIS VUITTON POUR LA CRÉATION - structural analysis of facades | LIME WORKS CERTOVY SCHODY - area 28, execution drawing | LIME WORKS CERTOVY SCHODY - area 27, as - built documentation of containers | CLOTH FILTER - calculation of casing by the finite element method | 2010 LIME WORKS CERTOVY SCHODY - project 7, execution drawings | ARCELOR MITTAL OSTRAVA - AGGLOMERATION NORTH - INSTALLATION OF CLOTH FILTERS LUHR - As - built documentation of the steel structure | FONDATION D' ENTREPRISE LOUIS VUITTON POUR LA CREATION - structural analysis of facades | LIME WORKS CERTOVY SCHODY - platform at the Maerz furnace | CUBESPACE PHOENIX CITY - structural study of a high - rise building | 2011 LIME WORKS CERTOVY SCHODY - project 7, operational and as-built documentation | FONDATION D' ENTREPRISE LOUIS VUITTON POUR LA CREATION - structural analysis of facades | LASVIT - Crystal Walls Melbourne



PARS BUILDING  
ENGINEERS

\* 1955

Absolvent stavební fakulty ČVUT, autorizovaný inženýr v oboru Pozemní stavby a Štátka a dynamika staveb. Vede ateliér PARS building. Orientuje se na návrhy atypických konstrukcí, s důrazem na design.

*Graduate of the Faculty of Civil Engineering, Czech Technical University in Prague; authorised engineer, specialisation Civil Engineering and Structural Analysis and Dynamics of Structures. Head of the PARS Building Studio. Specialises in design of architecturally exposed structures.*



JAROMÍR TOMEK

JANA TOMKOVÁ



\* 1961

Absolventka stavební fakulty ČVUT, orientuje se na výrobní přípravu ocelových konstrukcí a zajišťuje provoz společnosti.

*Graduate of the Faculty of Civil Engineering, Czech Technical University in Prague, specialises in shop drawing preparation of steel structures and takes care of the Company operation.*

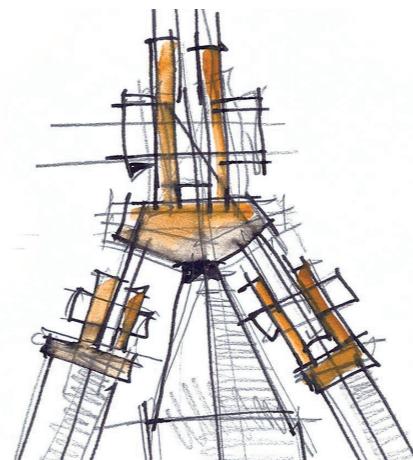
1991 Luboš Sejkora | Pavel Štursa | Jaromír Tomek | 1992 Josef Havel | Jan Kohout | Věra Kuchařová | Věra Pecová | Luboš Sejkora | Pavel Štursa | Jaromír Tomek | Pavla Záhorová | Pavel Zeman | 1993 Eva Adamová | Jan Janč | Jan Kohout | Věra Kuchařová | Pavel Štursa | Jaromír Tomek | Pavla Záhorová | Pavel Zeman | 1994 Jiří Čihák | Kamil Šašek | Eva Štursová | Jaromír Tomek | Pavla Záhorová | Milada Zelinková | Pavel Zeman | 1995 Pavel Ordög | Eva Štursová | Jaromír Tomek | Jana Tomková | Vavříčka Jan | Pavla Záhorová | 1996 Pavel Kroupa | Pavel Ordög | Senka Přihodová | Jaromír Tomek | Jana Tomková | Pavla Záhorová | 1997 Pavel Kroupa | Senka Přihodová | Jaromír Tomek | Jana Tomková | Pavla Záhorová | 1998 Jan Gruntorád | Viera Hloušková | Pavel Kroupa | Alvarez Fernandez Maldonado | Karel Parolek | Senka Přihodová | Jaromír Tomek | Jana Tomková | Pavla Záhorová | 1999 Karel Parolek | Marek Pícl | Senka Přihodová | Hana Schwarzová | Jaromír Tomek | Jana Tomková | Pavla Záhorová | 2000 Karel Parolek | Marek Pícl | Senka Přihodová | Jaromír Tomek | Jana Tomková | Pavla Záhorová | 2001 Miloslav Čáp | Michal Fris | Karel Parolek | Marek Pícl | Josef Podzemský | Alena Procházková | Senka Přihodová | Jaromír Tomek | Jana Tomková | Pavla Záhorová | 2002 Zuzana Niklová | Marek Pícl | Josef Podzemský | Alena Procházková | Petr Šíma | Jaromír Tomek | Jana Tomková | Jana Vachtová | 2003 Martin Kubík | Zuzana Niklová | Marek Pícl | Petr Šíma | Jaromír Tomek | Jana Tomková | Jana Vachtová | 2004 Petr Beneš | Pavel Hacmac | Martin Kubík | Zuzana Niklová | Jaromír Tomek | Jana Tomková | Jana Vachtová | 2005 Petr Beneš | Petr Kaván | Martin Kubík | Zuzana Niklová | Jaromír Tomek | Jana Tomková | 2006 Petr Beneš | Petr Kaván | Martin Kubík | Jaromír Tomek | Jana Tomková | Jana Vachtová | 2007 Petr Beneš | Petr Kaván | Martin Kubík | Jaromír Tomek | Jana Tomková | Jana Vachtová | 2008 Petr Beneš | Petr Kaván | Martin Kubík | Jaromír Tomek | Jana Tomková | Jana Vachtová | 2009 Petr Beneš | Petr Kaván | Martin Kubík | Jaromír Tomek | Jana Tomková | Jana Vachtová | 2010 Petr Beneš | Petr Kaván | Martin Kubík | Jaromír Tomek | Jana Tomková | Jana Vachtová | 2011 Petr Beneš | Petr Kaván | Martin Kubík | Jaromír Tomek | Jana Tomková

Společnost se zabývá projektováním a přípravou staveb od koncepčních studií po dílenskou dokumentaci, posudky, inženýrskou činností a autorskými dozory. Zvláštění důraz je kladen na ocelové a ocelo - skleněné konstrukce se zřetelem na design. Společnost byla založena v roce 1991 třemi společníky a v začátcích nabízela vše od projektu až po vlastní dodávku staveb. V průběhu své existence se vyprofilovala v moderní projekční kancelář. Na vývoj společnosti měla zásadní vliv účast na projektech zahraničních architektů v mezinárodních design týmech. Společnost prokázala, že je schopna obstát v náročném prostředí, být zde respektovaným partnerem a poskytnout projekční služby na srovnatelné úrovni. Naše firemní filosofie staví na pružnosti, moderním softwarovém vybavení, náročných technických úkolech, vstřícnosti ke klientům a důrazu na kvalitu odvedené práce.

*The Company deals with design and preparation of construction work, from conceptual studies up to shop drawings, reviews, engineering activities and author's supervision. Special attention is devoted to architecturally exposed steel and steel-glass structures and their design. The Company was established in 1991 by three partners and at the beginning offered all embracing services from design up to delivery of buildings and constructions. Gradually it made its name as a progressive engineer's studio. Taking part in the work of foreign architects in international design teams has had a decisive effect on its development. The Company has demonstrated that it can stand the test in a demanding competitive environment, gain credit as a respected partner, and offer design services at a corresponding level. Our philosophy builds on flexibility, world-class software, demanding technical tasks, helpfulness towards the client, and accented work quality.*

NAME OF THE CIVIL WORK  
BUILDING LOCATION  
YEAR  
ARCHITECT AND ENGINEERS  
EXECUTIVE ENGINEERS

BUS TERMINAL  
HRADEC KRALOVE  
2006 – 2007  
PATRIK KOTAS AND METROPROJEKT  
PARS BUILDING  
EXTERNAL STRUCTURE – DESIGN OF STEEL STRUCTURES AND  
EXTERNAL TEXTILE AND GLASS ENVELOPES, STRUCTURAL  
ANALYSIS AND DETAILS



Vzdušná ocelová konstrukce je tvořena dvěma téměř shodnými, navzájem propojenými, konstrukcemi. Kónické sloupy podporují hlavní prstencový oblouk, do kterého jsou vloženy střešní nosníky. Prstenec podporuje páteřní rámový oblouk, do kterého jsou zavěšena tálka nesoucí střešní nosníky a místnost dispečera. Střešní nosníky jsou zavěšeny na tâlech, kotvených do šikmých rámových stojek. Tálka je svedena na úrovni terénu do čtyř kumulovaných patek, dále jsou kotvena ke dvaceti trakčním sloupům. Kónické trakční sloupy jsou organicky začleněny do systému tâhel. Šikmé stojky mají tvar doutníku. Přestřešení je tvoreno membránami z PVC a prosklením.

The open steel structure consists of two almost identical, interconnected parts. Conical columns support the main ring that in turn supports the roof beams. The ring props a main arch in which vertical ties bear the roofing beams and the dispatcher's room. The roofing beams are suspended on vertical ties anchored to skewed frame legs. The ties end in four combined footings at the ground level and are supported by twelve pillars. The latter constitute an organic part of the system of ties. The skewed frame legs are cigar-shaped. Roofing consists of PVC membranes and glazing.

### Autobusové nádraží | Bus Terminal

Stavba patří mezi moderní dopravní stavby. Je výjimečná tím, že do té doby nebyla v České republice realizována tak velká konstrukce s použitím membránového zastřešení. Vlastní návrh a také realizace membrán je dílem společnosti Hightex. Půdorysné rozměry přestřešené plochy: 60 x 144 m.

The project ranks among contemporary edifices. It is exceptional because no object so vast was ever realised in the Czech Republic using membrane roofing. The company Hightex is behind both the design and the realisation of the membranes. The ground area of the roof is 60 x 144 m.





The atrium roof, made of ingeniously designed, grid-arranged beams of variable height, is supported by extremely slim pillars that are conically ended in contact with the roof; they amplify the subtle appearance of the structure. Stabilisation elements comprise heavy duty steel lift gears girders and cascade staircases and walkways hanging on pre-stressed ties. The glazed façades contain glass fins.

Střechu atria z důmyslně navržených do roštu uspořádaných nosníků s proměnlivou výškou nesou extrémně štíhlé, ve styku se střechou kónicky zakončené sloupy, které jen umocňují subtilní vnímání konstrukcí. Stabilizačním prvkem jsou mohutné ocelové výtahové nosníky a kaskádová schodiště a lávky vyvěšené na předepnutých tábalech. Součástí prosklených fasád jsou skleněná žebra.

### River city - Danube House

První ze staveb nové City v pražském Karlíně. Moderní administrativní budova, jež pohodu spoluvytváří prosklené klimatizované atrium s přívodem svěžího vzduchu od řeky. Návrh nese rukopis KPF a RFR.



*The first of several buildings of a new City located in the Prague's Karlín quarter comprised of progressive administrative buildings. A glazed, air-conditioned atrium with influx of fresh air from the river contributes to its pleasant look. The design bears the signatures of KPF and RFR.*



NAME OF THE CIVIL WORK  
BUILDING LOCATION  
YEAR  
ARCHITECT AND ENGINEERS  
EXECUTIVE ENGINEERS

RCP PRAGUE – DANUBE HOUSE  
PRAGUE – THE ROHAN ISLE  
2000 – 2001  
KPF LONDON, RFR PARIS  
PARS BUILDING  
atrium – STRUCTURAL ANALYSIS AND DETAILS OF STEEL STRUCTURES



## Depozitrář NM | Depository

Na ploše více než 2000 m<sup>2</sup> zastavěné plochy jsou umístěny sbírky a depozyty Přírodovědeckého muzea, složky Národního muzea v Praze. Jako generální projektant jsme museli řešit specifické požadavky jednotlivých oddělení od botaniky přes paleontologii až po zoologii na uskladnění jejich exponátů. Stavba je členěna do čtyř podobných sekcí vlastních depozitářů s přilehlými prosklenými badatelnami.

Collections and deposits of the Museum of Natural Sciences, a department of the National Museum, are stored on more than 2,000 m<sup>2</sup> of built-up area.

Acting in capacity of architect our Company had to deal with specific requirements imposed by individual departments, from botany to palaeontology and zoology, concerning their exhibits. The object is divided into four similar segments with adjacent glazed laboratories, all with demanding requirements concerning operation.



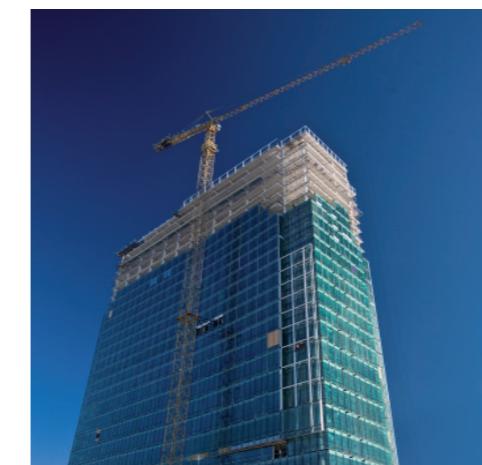
NAME OF THE CIVIL WORK  
BUILDING LOCATION  
YEAR  
ARCHITECT  
EXECUTIVE ENGINEERS

DEPOSITORY OF NATURAL HISTORY MUSEUM OF PRAGUE  
PRAGUE – HORNÍ POČERNICE  
1993 – 2000  
ARNA KUDROVÁ  
PARS BUILDING  
ALL EMBRACING CIVIL BUILDING DESIGN FROM CONCEPTION TO COMPLETION, STRUCTURAL ANALYSIS AND DETAILS



**NAME OF THE CIVIL WORK**  
**BUILDING LOCATION**  
**YEAR**  
**ARCHITECT AND ENGINEERS**  
**EXECUTIVE ENGINEERS**

**CITY TOWER**  
**PRAGUE – PANKRAC**  
**2005 – 2006**  
**RICHARD MEIER AND PARTNERS NEW YORK, SPOJPROJEKT PRAHA**  
**PARS BUILDING**  
**REFURBISHMENT OF BUILDING – DESIGN OF STEEL AND**  
**COMPOSITE STRUCTURES, STRUCTURAL ANALYSIS**



In the reconstruction composite steel structures were extensively used; as a result the rigidity of the floor structure was enhanced and the economic efficiency of the design secured. Annexes to the northern and southern gables suspended from the reconstructed concrete core constitute specific supporting members of the reconstructed building. Tendons pass through the building interior where they meet both the existing and the new structural elements. The framework contains a number of exposed architectonic elements. The attractive view of the façade is emphasised by modern elements of the fly - by wings with their braces and rods.

Při rekonstrukci se v širší míře uplatnily spřažené ocelové konstrukce, díky nimž se podařilo zvýšit tuhost stropních konstrukcí a zajistit hospodárnost návrhu. Zvláštním nosným prvkem použitým na této budově je vyvěšení přístavby severního a jižního štítu budovy do rekonstruovaného železobetonového jádra. Táhla procházejí vnitřkem budovy, kde se spletávají se stávající i novou konstrukcí. Nosná konstrukce obsahuje celou řadu architektonicky exponovaných nosných prvků. Atrakтивní vzhled fasády podtrhují moderní prvky křídel se vzpěrami a táhly.

### City Tower

V současné době se svými 115m nejvyšší administrativní budova v České republice vznikla rekonstrukcí bývalé budovy rozhlasu. Autorem nového designu je Richard Meier and partners. V celkem 27 nadzemních patrech poskytuje téměř 44 tisíc m<sup>2</sup> atraktivních kancelářských ploch s jedinečným výhledem na celou Prahu.

With its 115 metres of height, presently the highest administrative building in the Czech Republic, it originated in a reconstruction of the former Czech Broadcasting Corporation building. The new design was authored by Richard Meier and partners. In its 27 above-ground storeys it offers almost 44 thousand square metres of attractive office space with unrivalled view of Prague.



Střecha atria je částečně rošťová z nosníků s náběhy, které jsou uloženy na extrémně štíhlých sloupech. Ty jsou styku se střechou kónicky zúženy. Výrazným prvkem je nerezové tocité schodiště přes celou výšku atria. Záměru architekta evokovat japonský skládaný vějíř bylo dosaženo tím, že schody mají pouze vnitřní schodnice, ze které jsou vykonzolovány do vějíře skládané nerezové masivní plechy nesoucí jednotlivé stupně.



*The atrium roof is in part grated, made of tapered boxed beams, resting on extremely thin pillars, conically tapered in contact with the roof. A stainless-steel staircase across the entire atrium height represents a distinct element. The architect's intent to evoke a Japanese furled fan was attained by using only the internal string board, from which fan-like, stainless-steel solid metal plates support individual stair steps.*

## River city - Nile House

Další ze staveb nové City nacházející se na pravém břehu Vltavy v pražském Karlíně svým architektonickým výrazem včetně dominantního atria připomíná mladšího sourozence vedle stojící budovy Danube House. Stavba nese rukopis KPF London a RFR Paris. Administrativní budova poskytuje 20 000 m<sup>2</sup> kancelářských ploch.



*Is another building of the new City situated on the right Vltava riverbank in Prague's quarter Karlín; by its design, including the dominant atrium, it resembles a younger sibling of the adjacent Danube House. The design bears the signatures of KPF London and RFR Paris. The administrative building offers 20,000 m<sup>2</sup> of office space.*

NAME OF THE CIVIL WORK  
BUILDING LOCATION  
YEAR  
ARCHITECT AND ENGINEERS  
EXECUTIVE ENGINEERS

RCP PRAGUE – NILE HOUSE  
PRAGUE – THE ROHAN ISLE  
2003 – 2004  
KPF LONDON, RFR PARIS  
PARS BUILDING  
atrium – STRUCTURAL ANALYSIS AND DETAILS OF STEEL STRUCTURES



**NAME OF THE CIVIL WORK  
BUILDING LOCATION  
YEAR  
ARCHITECT AND ENGINEERS  
EXECUTIVE ENGINEERS**

**ANDEL MEDIA CENTRUM, ANDEL PARK CENTRUM  
PRAGUE – SMICHOV  
2004 – 2005  
SPOJPROJEKT PRAGUE  
PARS BUILDING  
SUSPENDED BUILDING – DESIGN OF STEEL AND COMPOSITE  
STRUCTURES, STRUCTURAL ANALYSIS AND DETAILS**

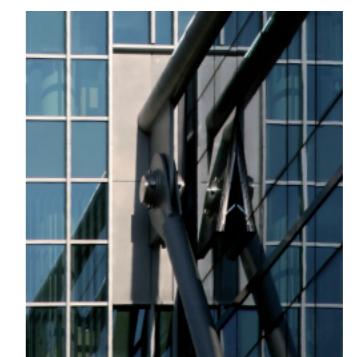
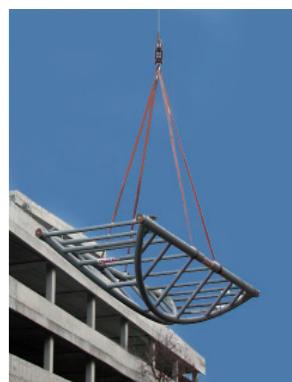


### Anděl Media Centrum Anděl Park Centrum

Komplex kancelářských budov na pražském Smíchově poblíž vyústění tunelu Mrázovka je postaven podle návrhu architekta Václava Aulického pro potřeby vydavatelství Mafra. V těsném sousedství se nachází komplex budov Anděl park Smíchov, jehož dominantu tvoří anténní věž.

The complex of administrative buildings, erected at the Prague Smíchov quarter close to the Mrázovka tunnel outlet, was completed according to architect Václav Aulický's design for the needs of the Mafra Media Group. A complex of objects Anděl Park Smíchov with the dominating aerial is situated nearby.

Specifickým konstrukčním prvkem Anděl Media Centra je vyvěšená postranní část budovy s přiznánou ocelovou konstrukcí. Na mohutných tåhlech zavěšená oblouková rámová konstrukce podpírá budovu uprostřed rozpětí. Na krajích jsou nosníky uloženy na sousedních budovách. Jednotlivá patra tvoří spřažené železobetonové konstrukce. Zajímavostí bylo osazení mostních ložisek v podpoře vynešeného mostu.





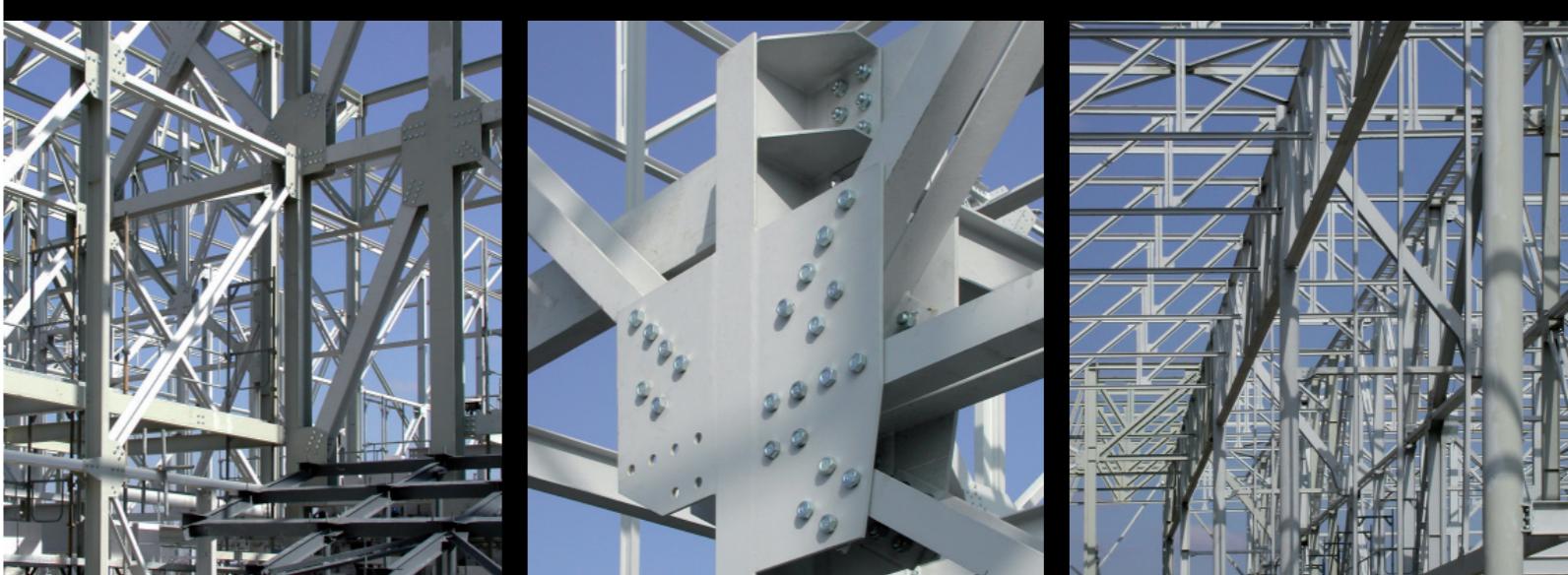
### Futurum Hradec Králové

Úkolem bylo na stávajícím obchodním centru navrhnout multikino s osmi sály. Jedná se o lehkou prostorovou ocelovou příhradovou konstrukci s vyzdívками z pórobetonu. Problémem bylo dodržení akustických parametrů jednotlivých sálů.

*The task here was to design a multiplex cinema with eight screening rooms inside of an existing shopping mall. The main concept is a lightweight steel truss structure with porous concrete lining. Maintaining the acoustic quality of individual viewing rooms was the main problem to be tackled.*

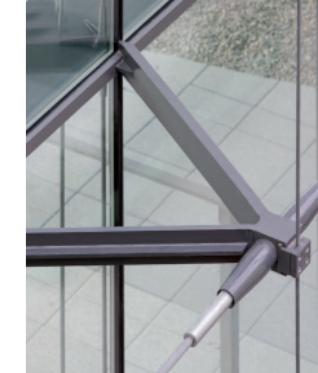
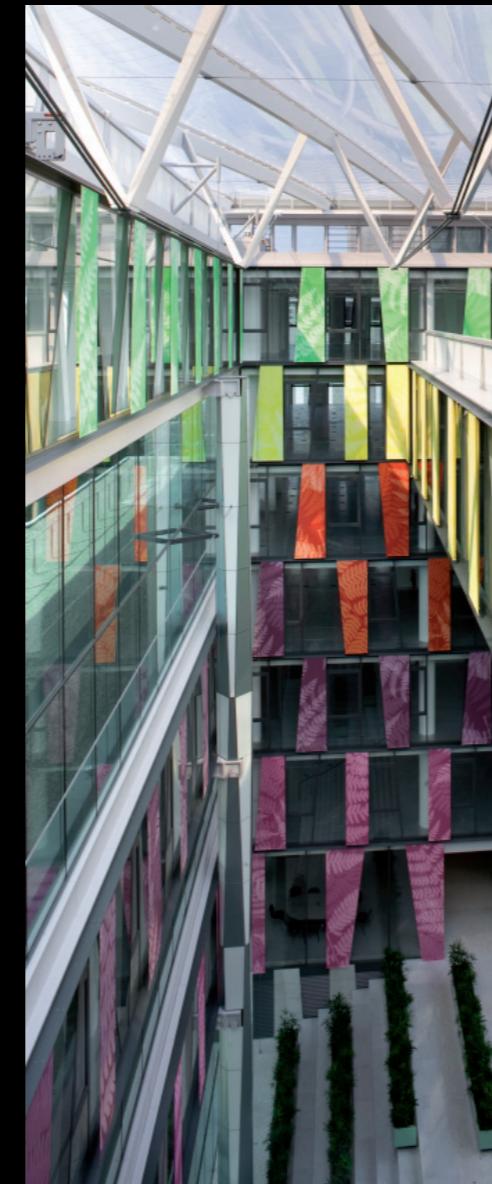
NAME OF THE CIVIL WORK  
BUILDING LOCATION  
YEAR  
ARCHITECT AND ENGINEERS  
EXECUTIVE ENGINEERS

FUTURUM HRADEC KRALOVE  
HRADEC KRALOVE  
2000 – 2001  
LOXIA  
PARS BUILDING  
MULTI CINEMA – CIVIL BUILDING DESIGN, STRUCTURAL ANALYSIS AND DETAILS OF STEEL STRUCTURES



**NAME OF THE CIVIL WORK**  
**BUILDING LOCATION**  
**YEAR**  
**ARCHITECT AND ENGINEERS**  
**EXECUTIVE ENGINEERS**

**RCP PRAGUE – AMAZON COURT**  
**PRAGUE – THE ROHAN ISLE**  
**2007 – 2009**  
**SHL DENMARK, RFR PARIS**  
**PARS BUILDING**  
**BRIDGES, ROOF, GABLE WALLS – STRUCTURAL ANALYSIS**  
**AND DETAILS OF STEEL STRUCTURES**



### RCP Amazon Court

Amazon Court je po budovách Danube House a Nile House třetí stavbou administrativního komplexu River City Praha realizovaného na Rohanském ostrově na pravém břehu Vltavy v těsném sousedství Negrelliho viaduktu. Budova nese rukopis SHL a RFR. Pneumatickou střechu z polštářů navrhl a dodal Foiltech.

After Danube House and Nile House, Amazon Court represents the third structure in the administrative complex River City Prague, erected on Rohanský Island on the right Vltava riverbank close to the Negrelli viaduct. The design bears the signatures of SHL and RFR. The pneumatic roof from cushions was designed and supplied by Foiltech company.



Nadzemní část stavby se skládá ze dvou železobetonových administrativních objektů mezi sebou vzájemně propojených deseti ocelovými mosty, ve kterých jsou také umístěny kanceláře. Vnitřní prostor mezi objekty – atrium – je shora přestřešeno pneumatickými polštáři z ETFE fólie na střešní lanové konstrukci. Z boků je atrium ohrazeno prosklenými zavěšenými štífovými stěnami. Jedná se o velmi komplikovanou prostorovou soustavu stabilizovanou pružinami a předepevnutými lany.



Součástí návrhů a výpočtů bývají i velkoobjemová síla, atypické zásobníky, materiálové trasy, kotvení těžkých strojů, komíny a specifické technologické konstrukce. Uplatňujeme se i při rekonstrukcích za plného provozu a řešení havarijních stavů těchto konstrukcí.

*Calculations and designs cover capacity silos, atypical bins, material transport routes, anchoring heavy machinery, stacks, and specific technological parts. We take part in in-service reconstruction and deal with emergency states of such elements.*

## Průmyslové stavby | Industry

V portfoliu našich referencí mají nezastupitelné místo průmyslové stavby. Jako jsou vápenky, petrochemický průmysl, cementárny, teplárny, elektrárny, cukrovary, hutě, potravinářské závody, logistická centra a další technologické celky a konstrukce. Naše práce spočívají v zajištění jak stavební, tak i statické části projektů ve všech stupních až po autorské dozory na stavbě.



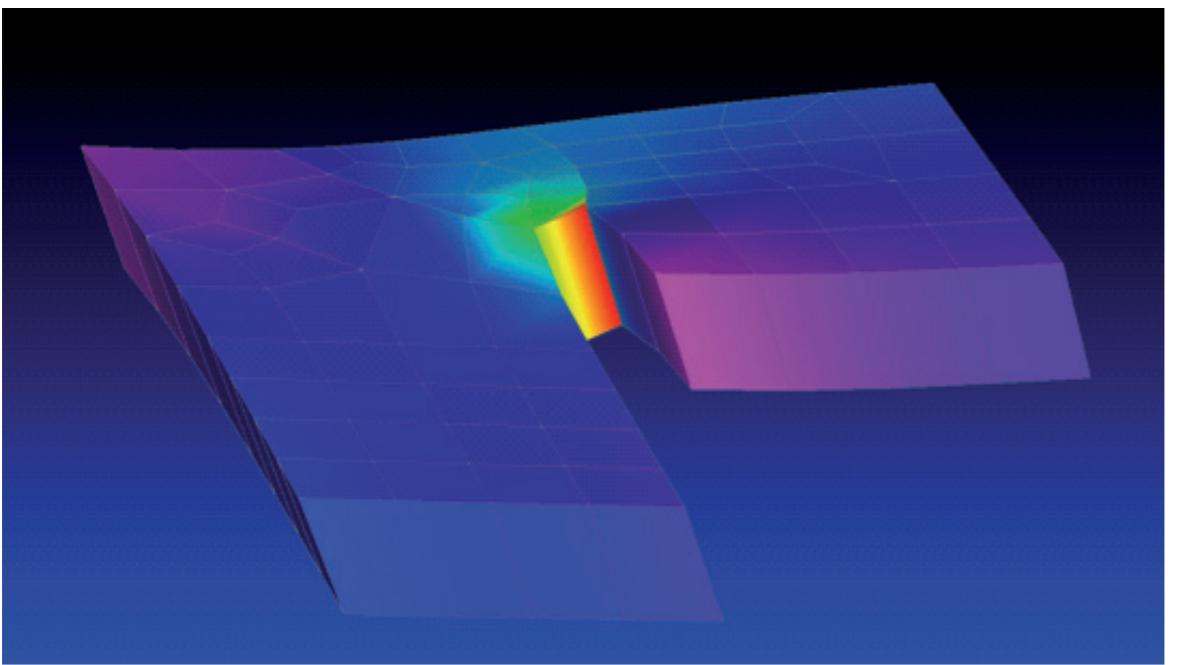
*Industrial buildings like lime works, petrochemical industry, cement works, heating stations, power houses, sugar mills, foundries, foodstuff producing plants, logistic centres and other technological units and objects assume an important place in the list of our references. Our contribution comprises the design of the construction and of structural parts of the project at all stages including onsite supervision.*



NAME OF THE CIVIL WORK  
BUILDING LOCATION  
YEAR  
ENGINEERS

REFURBISHMENT OF PREMISES OF LIME WORKS  
BEROUN  
2001 – 2016  
PARS BUILDING  
BUILDINGS AND SILOS – DESIGN OF BUILDINGS AND STRUCTURES FOR MACHINERY, STRUCTURAL ANALYSIS AND DETAILS

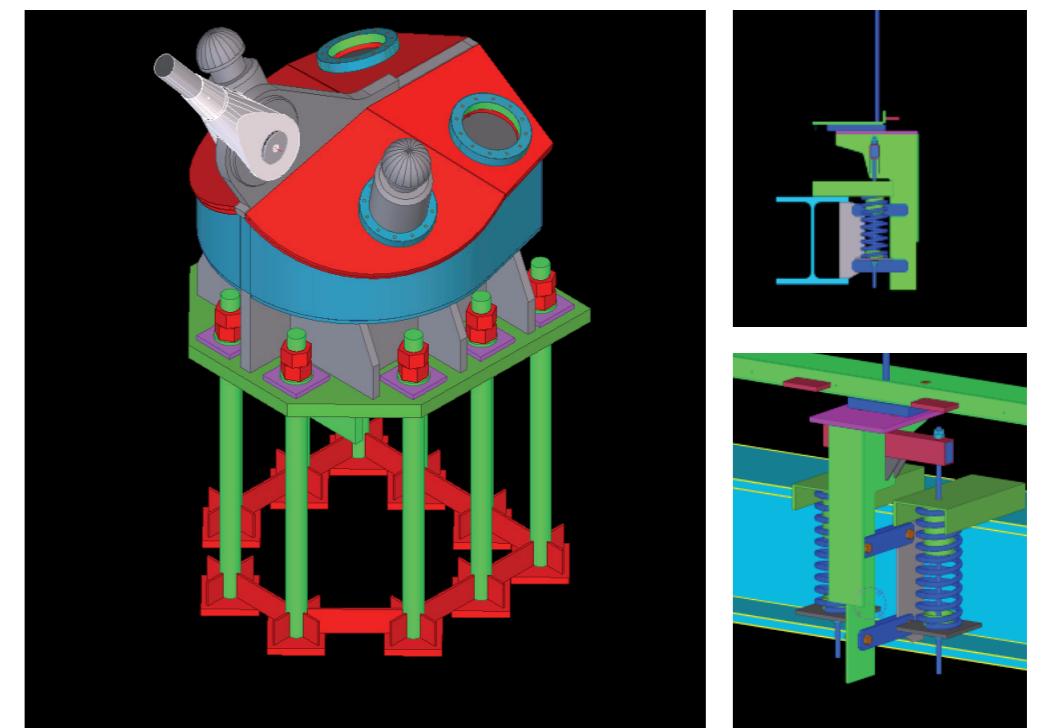




Výpočty | Structural Analysis

Společnost klade velký důraz na moderní metody prediktivního inženýrství. Metoda konečných prvků je standardní součástí návrhu, od kterého se odvíjí jeho ověření i optimalizace. S pomocí řešení stability, lineární, modální, nelineární geometrické, materiálové i kontaktní analýzy, návrhem předpětí, použitím super-elementů či aplikací polotuhých styčníků, se hledají úspory v technickém řešení při zachování vysoké míry bezpečnosti a spolehlivosti. Velké úlohy jsou řešeny numerickou analýzou v programu NASTRAN. Numerická analýza vyjma stavebních konstrukcí je často orientována i do strojní a technologické části projektů. Analýza je podporována zkušenostmi na straně praktické i teoretické. Při návrhu se uplatňují zkušenosti s řešením velkých úloh s komplikovanými okrajovými podmínkami. Standardem je kontrola výsledků v rámci skupiny obdobných programů jako je ANSYS, ABACUS, MARC apod.

Our Company stresses the progressive methods of predictive engineering. The finite element method is a standard part of our design, and constitutes the basic element of its verification and optimization. Dealing with matters of stability, using linear, modal, non-linear geometric, material and contact analysis, designing pre-load, using super elements and applying semi-rigid joints enables us to identify savings in technical solution while preserving a high level of safety and reliability. Major tasks are dealt with by means of numerical analysis using the NASTRAN software. In addition to building construction, numerical analysis is often applied to mechanical engineering and technological parts of individual projects. The analysis is aided by extensive practical and theoretical experience. Checking the obtained results by means of similar software like ANSYS, ABACUS, MARC etc. is standard.



## Shop drawings | Dílenské výkresy

Během vývoje společnosti při řešení architektonicky náročných konstrukcí vystala potřeba mít možnost do poslední chvíle ovlivnit jednotlivé detaily a zároveň při zpracování realizační dokumentace již současně vytváret výrobní dokumentaci. Z tohoto důvodu se činnost společnosti rozšířila o zpracování výrobních dokumentací ocelových konstrukcí. Zde jsou využívány programy Tekla Structures a SolidWorks. Ty umožňují výstupy přesných výkresů a výkazů v každé fázi modelování. Po převodu dat z těchto programů do obecných výmenných formátů jsou zakomponovány do technologických projektů. Výstup do 3D pdf souborů pak umožňuje klientům bez nároku na znalost specifického programu přiblížit intuitivně řešení k případným připomínkám.

When dealing with demanding design tasks the developing Company experienced a need to be able to influence individual factors until the last moment and, at the same time, to prepare simultaneously project and construction documentation. In the light of the above, the company has extended its services-now providing even the preparation of (the) shop drawings. To achieve that the Company makes use of software Tekla Structures and SolidWorks, which enables us to prepare accurate drawings and reports at all stages of modelling. Once the data are transferred to general interchangeable formats, models are incorporated in technological projects. A conversion to the 3D pdf format allows us to present the very solution to the client-not demanding him to have any specific software.

1991 CUKROSPOL PRAHA, MODRANY SUGAR RAFINERY - Design and execution of weighing device 2 x 10 t, design of a packing plant and storehouse | AUTOSERVICE TUKAS - design and delivery of steel structure of the object | CENTRAL MILITARY HOSPITAL STRESOVICE | 1992 HOTEL ANNA, BUDECŠKÁ ST., VINOHRADY - Object reconstruction, comprehensive delivery including design | KLIMA BRICKWORK - CESKÝ BROD - Design of a milling plant building conversion | 1993 PRIMARY SCHOOL V UVOZU, PRAHA 1 - Project of damp brickwork rehabilitation | CONFERENCE HALL, DISTRICT MUNICIPALITY, PRAHA 1 - Reconstruction design | SUGAR REFINERY DOBROVICE - Design of sugar beat input - 5,000 tones a day - structural part | SUGAR REFINERY, ZATEC - A study of sugar storehouse of 8,000 - tonne capacity | SUGAR REFINERY, VRDY - Design of building conversion - sludge press room | SERVICE STATION MASEK - Design of supporting framework | PRAGOŠOJA - Design of supporting framework | 1994 RUBIN RESTAURANT PSARY - Design | SUGAR REFINERY VRBATKY - Delivery of storage tank 22/15 m | METALLURGIC PLANT CELAKOVICE - Delivery of steel structure of a smokestack 1800 mm/15 m | CEMENT FACTORY CEBIN - Design and delivery of steel structure for technology | HEATING STATION CESKE BUDEJOVICE - Design and delivery of steel structure for electrical separator | EME HORNI POCAPLY - Design and buildup of a mixing centre | RECONSTRUCTION OF FYTOTRON BUILDING - for the Crop Research Institute - comprehensive project including design | 1995 OSSZ PRAHA 10, V KORYTECH - Building rehabilitation - design of supporting framework | DISTRICT SOCIAL SECURITY ADMINISTRATION KOLIN - Building rehabilitation - static part, design | SUGAR REFINERY SURANY - Design of mill explosion chamber | CEMENT AND LIME FACTORY MOKRA - Design and delivery of steel structure beneath the bins | PRAGOCEMENT RADOTÍN - CEMENT BOHEMIA - Design and delivery of steel structure for cement bins. Design and delivery, underpinning of smokestacks 2 x 40 m. Design and delivery of steel structure beneath centrifugal separators. Design and delivery of two smokestacks. Design and delivery of roofing for gaps between cement bin | SILON PLANÁ, EXPERIMENTAL CENTRE FOR FLY ASH - Design of the construction part | BUILDUP OF CENTRAL DEPOSITORY FOR THE SCIENTIFIC MUSEUM - A PART OF THE NATIONAL MUSEUM PRAGUE, RESIDENT IN HORNI POCERNICE (BUILT-UP AREA 10,000 M<sup>2</sup>) - Planning permit documentation, building permit documentation, construction documents, acting in the capacity of main architect | 1996 DANY TRAVEL - Building conversion of offices - design and delivery | INTEGRAL OBJECT E - NOVUM (BUILT-UP AREA 2,400 M<sup>2</sup>) - Design of a multifunctional object - building permit, execution drawings, supervision | WOODWORKING PLANT JIHLAVA - Design of steel structure beneath filters | HEATING STATION DVUR KRALOVE - Design and delivery of steel structure for electrical separators | 1997 MLÝNSKY DOMOV RESTAURANT - design | STZ KOMORANY - Delivery of steel structure, 1997, Delivery of steel structure, 1998, Delivery of steel structure, 1999 | POWER PLANT PORICI - TRUTNOV - Design and delivery of steel structure for electrical separators | POWER PLANT PORICI - CHVALETICE - Design and delivery of steel structure for electrical separators. Delivery of steel structure for konimeter platform | CEMENT FACTORY CIZKOVICE - Design and delivery of steel structure for electrical separators | RECONSTRUCTION OF THE U HYBERNU HOUSE - Structural analysis of carcass roof | 1998 CEMENT BOHEMIA - structural report | BUILDUP OF WAREHOUSE COMPLEX FM LOGISTICS, TUCHOMERICE NEAR PRAGUE - Building permit documentation, documentation for tender to select contractor, supervision | KS - RAYAN - Foundation beneath the turbine, compressor, skid and pneumatic conveyor, Implementation documents, construction and static parts | BRATISLAVA METRO PROJECT - Associated object, Building permit documentation | VUC - corrected calculation of steel structure for the 2nd and 4th stories of the service building | 1999 EXTENSION AND COMPLETION OF THE COCA COLA BEVERAGES PLANT IN PRAHA - KYJE - halls 5, 6 and 7, extension of hall 4, extension of administration building, construction documentation | MUNICIPALITY VELKA DOBRA - buildup of 48 self - contained houses. Building permit documentation for utility lines, execution drawings | BUILDUP OF CENTRAL DEPOSITORY FOR THE SCIENTIFIC MUSEUM - Proposed information system, control centre, objects E, C | LONZA - floor modification | ZVOLENEVES SUGAR FACTORY - design of steel structure | KLIKA A DVORAK - BUILDING PERMIT - LANDFILL EXTENSION | SIPA LINE - recalculated crane rails | LINK NEBUSICE - structural object analysis | STAVIS KLADNO - modification of nursery school classes illumination | DIPRA - structural object analysis | FAMILY HOUSE VELKA DOBRA - building permit design | UCL PRAHA RUZYNE | CESKOMORAVSKÝ CEMENT A.S. - plotting the object and the technology | 2000 MUNICIPALITY VELKA DOBRA - buildup of 48 self - contained houses, as-built documentation of sewerage | COCA COLA BEVERAGES - soft drink production, building conversion of in hall 3, manufacture of PET bottles, Husky, road, pipeline bridge, shelter for tank containers | ADMINISTRATION BUILDING PRAHA 8 - INVALIDOVNA - Planning permit documentation | MARIANSKA POLE - Zoning proceedings documentation | MELCO SLANY - BUILDUP OF A NEW PLANT - Zoning proceedings documentation, building permit documentation, tender documentation | ADMINISTRATION BUILDING RECONSTRUCTION, CESKÁ RAFINERSKE A.S. - Kralupy nad Vltavou, building permit documentation, building permit procurement, execution drawings | WESTVACO SVITAVY - extension of existing plant, building permit documentation of the structural part, execution drawings - structural and building parts | HALL ZADAK HOSTIVICE - CONSTRUCTION MATERIALS - Execution drawings and as - built documentation of the steel structure - shelter | EO IRAN | MULTIPLEX CINEMA HK - as - built documentation - steel structure, as - built documentation of the structural part | LIME WORKS CERTOVY SCHODY - reinforcement of ceiling above the compressor station | 2001 RCP PRAHA, DANUBE HOUSE - Object 1 - atrium, execution drawings and as-built documentation of, Atrium steel structure | VYSOCANSKA BRANA - Building permit documentation of the structural part | CEBALSOL VELIM, FACTORY BUILDING - Building permit documentation, tender documentation - structural part, As - built documentation - steel structure | SKODA KVASINY, PAINTING SHOP - Execution drawings of steel structure, as - built documentation | BREDOVSKY DVUR - Steel structure - part of roofing, as - built documentation, structural and building parts | SMP OSTRAVA - DESIGN OF ALUMINIUM FACADE | COCA COLA BEVERAGES - inserted storey for replacement parts storage, building permit documentation | RD MELNIK - execution drawings - structural and building parts | EXTENSION - TENNIS HALL, TENNIS CLUB SPARTA PRAHA - Tender documentation, execution drawings - roofing and ceiling steel structure | CHZ SOKOLOV - foundations and pits | HEATING STATION CHOMUTOV - BURWITZ | US STEEL KOSICE - design of foundation, operational and as-built documentation of stair tower steel structure | 2002 LOVOCHEMIE - shop drawings of steel structures of platform | HOLLANDIA, KRASNE UDOLI - Production documents of manufacturing hall, curtain wall and soffits | LIME WORKS CERTOVY SCHODY - Storage bin for ground limestone 830 m<sup>3</sup>, screening room platform, steel structure execution drawings and as-built documentation | SMP OSTRAVA - Design of aluminium facade | COCA COLA BEVERAGES - Inserted storey for replacement parts storage, building permit documentation of storehouse floor | FLEXON VESTEX - production hall, execution drawings and as - built documentation of steel structure | BOHUMILE - approval documentation and as - built documentation of steel structure | FAMILY HOUSE VINOR - execution drawings | 2003 APARTMENT HOUSE ZLICIN - Building permit design - structural and building parts, Execution drawings - structural and building parts | LIME WORKS CERTOVY SCHODY - structural assessment of chimney | TEACHING HOSPITAL MOTOL - power economics optimisation, execution drawings of steel structure | TERMIZO LIBEREC - boiler plant extension, Execution drawings, as - built documentation of the steel structure | KOTOUC STRAMBERK - construction design and as - built documentation of steel structure | HANNAH PLZEN - glass staircase, Operational and as - built documents | SAZKA, SMALL ARENA -approval and as - built documentation of aluminium facade | ANDEL PARK SMICHOV - Steel structure of administration building, Design and as-built documentation of the steel structure | BTP PRAHA - Design of facade | EMC RADIO PLAZA - design of facade | COCA COLA BEVERAGES - assessment of office building ceiling, staircase extension, corridor, production, platform, shelter, inserted storey, technology surveying | ZOO PRAHA - repair of flat roofs, house for beasts of prey, execution drawings | LIME WORKS CERTOVY SCHODY - Gabion buttress wall at the primary grinding plant, execution drawings | 2004 RCP PRAHA, NILE HOUSE - Building B4 - atrium, execution drawings and as - built documentation, atrium steel structure | CIUR A.S. - Reconstruction of storehouse age damaged by fire - modification of documents for building permit prior to completed construction, execution drawings | ZOO PRAHA - design of hinterland for buffaloes | COCA COLA BEVERAGES - storehouse of dockets, predicted load on administration building superstructure | COCA COLA BEVERAGES - Plotting in production lines technology | HAVLICKUV BROD RINK - design and as - built documentation of the steel structure of gym and stands | CIUR A.S. - build up of garages, building permit documentation, execution drawings - structural and building parts, co-ordination of professional design activities, supervision | LIME WORKS CERTOVY SCHODY - structural analysis of conveyor bridge | LIME WORKS CERTOVY SCHODY - Milling plant reconstruction | COCA COLA BEVERAGES - Transfer of the CO2 station - design | TROJSKY VRSEK - as - built documentation of staircase wall | BRAUNUV DVUR - roofing, design for building permit and execution drawings of a glass roof | LOCKSMITH'S WORKSHOP PILSEN SKVRNANY - Design and as - built documentation of roofing | CEMENT HRANICE - structural analysis of roofing for Enven a.s. | CESKOMORAVSKÝ CEMENT A.S. - design of valve - bloc holes | LIME WORKS CERTOVY SCHODY - Repair of existing crane rails at limestone milling plant - design and as - built documentation | ANDEL PARK SMICHOV - Steel spiral staircase | 2005 BLATENSKE STROJIRNY BLATNA -Structural assessment of design of feeding hopper ramp for Belaz at SSZ Chomutovice | LIME WORKS CERTOVY SCHODY - Reconstruction of primary and secondary grinding plants Proviacal, conveyor belt, roads and reinforced surfaces - building permit documentation and execution drawings - structural and building parts, supervision | ANDEL PARK SMICHOV - Design and as - built documentation of steel structure sunshades, aerial, and staircase leading to the cafe | RCP PRAHA, NILE HOUSE - Building B4 - atrium - assessment of fire - resistance rating of the atrium steel structure, calculation of natural frequencies, reviews | CIUR A.S. - As - built documents of garage roof | DIAMOND POINT TESNOV - Pedestrian bridge over the road at the Hilton hotel; steel structure of balconies, chimney and aerial - execution drawings | OPTIMA BUTOVICE - GALERIE BUTOVICE - Execution drawings of the staircase steel structure in the administration part, structure of aquarium envelops | CESKOMORAVSKÝ CEMENT - As - built documents for the steel structure of the cement expedition building, structural analysis of steel structure forces | CITY TOWER PANKRAC - CONT'D - Tender documentation and execution drawings of steel structure in completion of the high - rise administration building at Pankrac | CIUR A.S. - painting shop | STRAND - assessment and calculation of canopy for the Slezská boarding - house | ADMINISTRATION CENTRE ZLICIN - design and as - built documents of the central air shaft | BRAUNUV DVUR - design of new courtyard roof | VILA DEVIN - building permit documentation - structural part | PRIMARY SCHOOL TUCHLOVICE - reconstruction: design of facade, reinforced areas, athletics field | BRAUNUV DVUR - ROOFING - As - built documentation - construction work suspended | LIME WORKS CERTOVY SCHODY - secondary grinding plant jacket | LIME WORKS CERTOVY SCHODY - repair of milling plant frame - design, production preparation, supervision | CESKOMORAVSKÝ CEMENT - cement cooling plant foundations - building permit documentation, execution drawings | CESKOMORAVSKÝ CEMENT - stationary hammer | APARTMENT HOUSE U PANSKÉ ZAHRADY - preparation of structural part of zoning documentation | 2006 PALLADIUM - execution drawings of locksmiths' structures | SIPRAL JRNY WAREHOUSE - zoning documentation - structural part | DELTA CLIMATISER A.S. - digitisation of objects in Holešovice market hall | CESKOMORAVSKÝ CEMENT - MOKRA - technical opinion of structural design of steel structure of electricity meter frame | DELTA CLIMATIZER A.S. - Design of stalls for Vietnamese retailers in Holešovice market hall | APARTMENT HOUSE POUPETOVA - design of handrail and terraces including glass handrail panels | ALES VESELY - POHYBLIVY BABEL - Technical consultation concerning design of sculpture | ATELIER 6 - APARTMENT HOUSE NEAR KRIZOVNICKÝ DVUR - structural part of zoning documentation | PALLADIUM - promotional glass box | LIME WORKS CERTOVY SCHODY - renovation of limestone area 24, building permit documentation, execution drawings, as - built documentation of steel structure | PALLADIUM - technical assistance with underpinning roofs by means of HP profiles: ramp design | FAMILY HOUSE .82°, PRAHA, POD BATERIEMI - building permit documentation - structural and building parts | SCHOTT VALASSKÉ MEZIRICI - steel structure of mixers | BATCH PLANT HERMANOVA HUT - design and calculation of acting forces | SORBACAL HINLOW - basic design | BENT ROOF POVRLY - structural assessment | TESNOV PLACE - steel built - in roof | AMAZON COURT - building permit documentation - steel structure part | 2007 FAMILY HOUSE .82°, PRAHA, POD BATERIEMI - execution drawings - structural and building parts | MUNICIPAL TRANSPORT TERMINAL HK SO 701- execution drawings of the steel structure part, as-built documentation | PALLADIUM - staircase between the former barracks and the main building, glass portal in the hippodrome | LIME WORKS CERTOVY SCHODY - pneumatic transport for railway forwarding, new silo - study | MBO COURTYARD ROOF - design and as-built documentation | AMAZON COURT - execution drawings of atrium, bridges, roofing | KARAMEL - structural analysis of glass | 2008 ARKADY PANKRAC - co - operation in steel structure concept | AMAZON COURT - as - built documentation of atrium pillars and roofing | HERMANOVA HUT - new structural analysis of container | AMAZON COURT - GABLE WALL - realisation and as - built documentation | LIME WORKS CERTOVY SCHODY - modernisation of lime modification area 23 - building permit documentation, execution drawings, as - built documentation of steel structure | BRALEP LEDCICE - design and structural assessment of containers steel structure | LIME WORKS CERTOVY SCHODY - coke container - a study | TODACH HRANICE - tower steel structure | LIME WORKS CERTOVY SCHODY - refurbishment of truss in secondary grinding plant | VSP PLZEN - building permit documentation - structural part | BUILDUP OF THE CLASSIFICATION CENTRE IN CHRASTANY - tender documentation, execution drawing | LIME WORKS CERTOVY SCHODY - plotting the existing technological part of the milling plant | LIME WORKS CERTOVY SCHODY - shed for vehicle inspection | SO PREU NUJESLŠKÝ MOST - ELTODO - festive decoration on the occasion of Czech EU presidency - building permit documentation and as - built documentation of the steel structure - not realised | 2009 LIME WORKS CERTOVY SCHODY - study of new milling plant, design of emergency tank roofing | ARCELOR MITTAL OSTRAVA - AGGLOMERATION NORTH - INSTALLATION OF CLOTH FILTERS LUHR - execution drawings of the steel structure | COMMUNITY CENTRE BB C - opinion on steel elements of the separation wall | LIME WORKS CERTOVY SCHODY - area 28, railway dispatch of ground lime, silo D5, operational and as-built documentation | LIME WORKS CERTOVY SCHODY - projects 6 and 7, zoning documentation and building permit documentation | A. M. O. S - warehouses, zoning documentation, structural analysis and as - built documentation of the steel structure | HOBBY CENTRE CESKE VRBNE - execution drawings, part steel structure | FONDATION D' ENTREPRISE LOUIS VUITTON POUR LA CRÉATION - structural analysis of facades | LIME WORKS CERTOVY SCHODY - area 28, execution drawing | LIME WORKS CERTOVY SCHODY - area 27, as - built documentation of containers | CLOTH FILTER - calculation of casing by the finite element method | 2010 LIME WORKS CERTOVY SCHODY - project 7, execution drawings | ARCELOR MITTAL OSTRAVA - AGGLOMERATION NORTH - INSTALLATION OF CLOTH FILTERS LUHR - As - built documentation of the steel structure | FONDATION D' ENTREPRISE LOUIS VUITTON POUR LA CREATION - structural analysis of facades | LIME WORKS CERTOVY SCHODY - platform at the Maerz furnace | CUBESPACE PHOENIX CITY - structural study of a high - rise building | 2011 LIME WORKS CERTOVY SCHODY - project 7, operational and as-built documentation | FONDATION D' ENTREPRISE LOUIS VUITTON POUR LA CREATION - structural analysis of facades | LASVIT - Crystal Walls Melbourne

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