



ABADIA
Structures for Bold Visions



COMPANY PROFILE

We are a dedicated team of 50 technicians, coordinators, welders, and installers. Your daily partners — from design to production and assembly of steel structures and metal components.

Abadia a.s. is a 100% Czech family-owned company with over 20 years of experience in metal fabrication and welded steel structures. We operate from a modern facility in South Bohemia and specialize in custom and small-series production for construction and industry.

We also develop and supply our own system solutions — frameless glass and alumi-

num railings, and lightweight balcony structures. All designed for reliability, clean detailing, and easy installation.

In addition, we deliver complete solutions for industrial equipment and production lines. Our casting systems for sanitary ceramics are among the most advanced on the market.



IN-HOUSE ENGINEERING

Every project we deliver starts with thorough technical preparation. Our in-house design and engineering team ensures the quality of both concept and execution. This allows us to resolve complex details early on and save both time and cost during construction.

BUILT ON QUALITY

Our welding process is overseen by an in-house welding engineer and a certified NDT specialist. We control the entire process — from welding to final inspection. We stay up to date with the latest standards and legal requirements, ensuring our products are fully compliant and meet investor expectations.

AGILE & EXPERIENCED

We are a well-coordinated team driven by smart solutions. We combine the flexibility of a smaller company with the capacity of larger players — ready to respond quickly to any project challenge.



PRODUCTION CAPABILITIES & CERTIFICATION

MAIN PRODUCTION EQUIPMENT

- plasma cutting center (6 × 2 m table)
- continuous shot blasting unit for surface preparation
- MAG and TIG semi-automatic welding machines
- Siegmund modular welding tables
- band saws (up to 600 mm profile width)
- press brake and hydraulic shears
- punching and notching technology
- wet paint shop with electrostatic application
- over 4,000 m² of production area
- overhead cranes with up to 6.3 t capacity
- separate stainless steel production zone
- own transport with hydraulic arm



**CERTIFICATES ISO 9001,
ISO 14001 AND ISO 45001**

The certification confirms that we maintain an integrated management system covering quality, environment, and occupational health and safety.

CERTIFICATE EN 1090

Certification for the execution of steel structures, including execution class EXC3.

CERTIFICATE ISO 3834-2

This certification guarantees our authorization and competence in welding processes under higher quality requirements.



PRODUCTION PROGRAM



STEEL STRUCTURES

We manufacture steel structures up to execution class **EXC3** according to EN 1090. Our deliveries cover both the Czech market and exports abroad. With extensive experience and production capacity, we handle large and technically demanding projects tailored to client specifications.

We regularly pass supplier audits from major companies such as Skanska and Österreichische Bundesbahnen. Our scope includes complete delivery — surface treatment, transport, and professional on-site assembly.



We deliver structural assemblies for the following sectors:

CONSTRUCTION

- steel halls including cladding
- load-bearing and service platforms
- roof trusses
- cladding support structures
- steel staircases

ENGINEERING

- process steel structures
- frames for production machinery
- belt conveyors
- process tanks

ENERGY

- substructures for solar panels
- carports
- poles for extra-high voltage



PRODUCTION PROGRAM

ARCHITECTURAL METALWORK

We supply a complete range of architectural metalwork for residential and commercial buildings. Final installation is carried out on-site under the supervision of experienced assembly supervisors. We are certified for steel structures up to execution class **EXC3** under EN 1090.

DELIVERED METALWORK COMPONENTS

- exterior and interior steel and aluminium railings
- frameless glass railings anchored in system profiles
- railings with stainless steel mesh infill
- stainless steel handrails
- glass canopies
- frames for HVAC units
- shading elements
- partition walls



WHAT YOU GET WITH ABADIA

WE BUILD LONG-TERM PARTNERSHIPS

A key part of our work is preparing detailed quotations already at the tender stage for general contractors. We approach these bids with the same level of care and professionalism as final implementation offers.

CONSULTING IN THE PRE-CONSTRUCTION PHASE

Drawing on years of experience from hundreds of projects, we can suggest improvements to structural details already in the early design phase — helping to optimize performance and reduce project costs.

QUALITY AND COMPLIANCE WITH CURRENT LEGISLATION

All production follows applicable technical standards for welded steel structures and supplied components. For each completed delivery, we prepare full handover documentation, including a Declaration of Performance and CE marking.

SELECTED PROJECTS



Laser Facility ELI Beamlines

Abadia was the main supplier of more than 600 tons of steel structures and architectural metalwork for the construction of the ELI Beamlines Laser Research Center — one of the largest scientific projects in Europe.

The most prominent part of our delivery is the white steel canopy structure that defines the building's architectural character. Due to its visibility, strict requirements were placed on weld quality, detailing, and surface finishing.

Our scope also included over 400 large structural penetrations through technical walls, access walkways, and architectural staircases.



Client: *Institute of Physics of the Czech Academy of Sciences*
Scope: *Steel canopy structures, complete delivery of architectural metalwork*
Year: *2015*
Location: *Dolní Břežany, Czech Republic*
Volume: *EUR 1.1 million*



WINNER 2016
*BEST INDUSTRIAL
& LOGISTICS DEVELOPMENT*

SELECTED PROJECTS



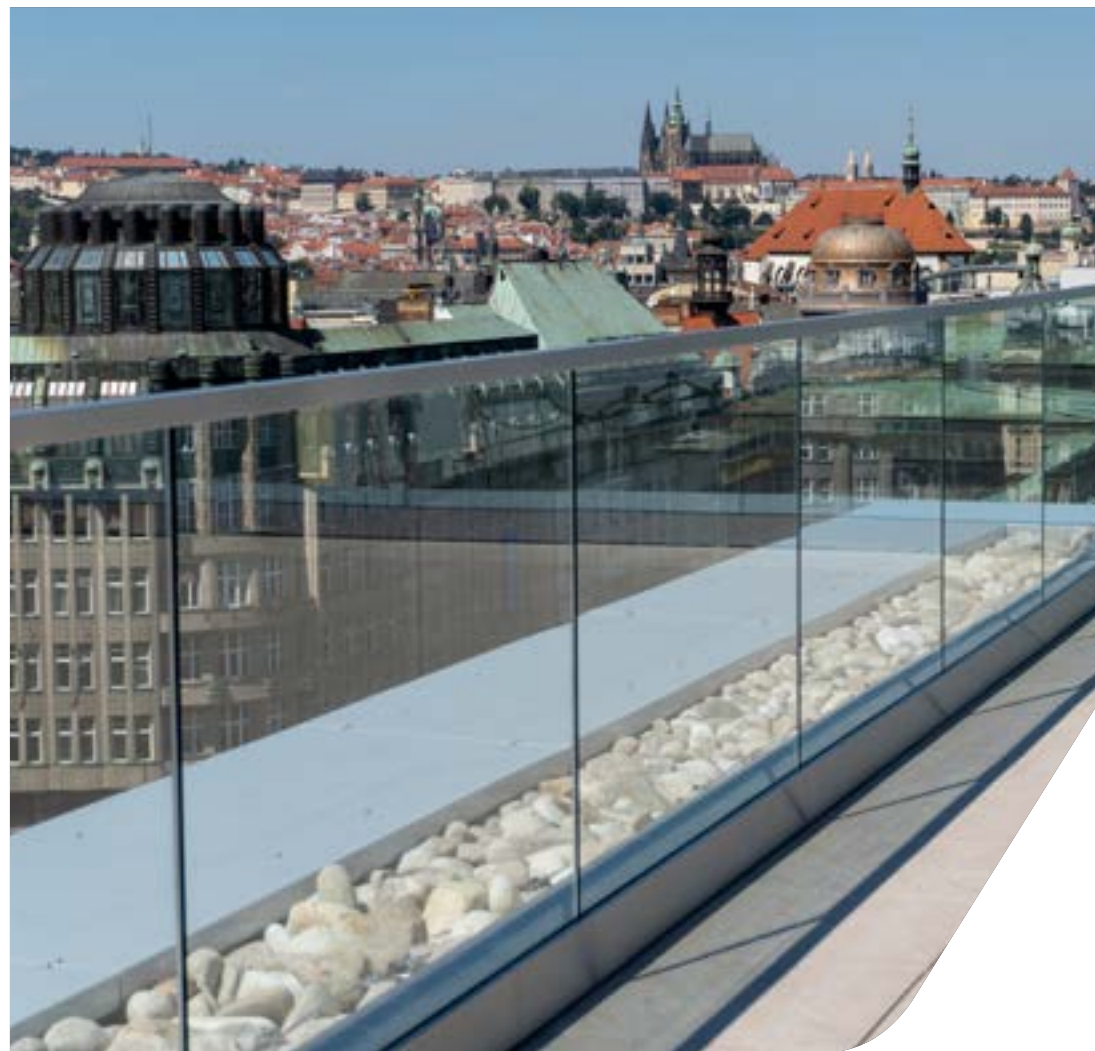
The Flow Building Wenceslas Square 47 Prague

We delivered the complete package of steel and architectural metalwork for The Flow Building – a modern landmark located directly on Prague’s iconic Wenceslas Square.

Our scope included over 300

metres of rooftop glass balustrades, interior railings, and various custom metalwork elements. We also supplied the steel structure for the crown of the building, supporting the distinctive glass façade.

This project placed high demands on visual quality, detailing, and surface finishing — which we proudly met.



Client: Flow East
Scope: Exterior glass balustrades, interior railings, steel structure for the crown of the glass façade
Location: Wenceslas Square, Prague, Czech Republic
Volume: EUR 640,000

SELECTED PROJECTS



Haardtring Darmstadt

For a new residential development in Darmstadt, Germany, we delivered 118 balconies based on our proven modular construction system. Each unit is composed of a closed-section steel frame, integrated steel support legs, a

stylish railing solution, and a self-supporting tiled floor system — designed for durability, clean aesthetics, and easy installation.

The balconies form a visually coherent façade element, while also providing practical outdo-

or space for residents. The entire system was prefabricated, factory-assembled, and delivered ready for fast on-site installation.



Client: Metall-Atelier GmbH
Scope: Prefabricated balconies, balcony railings, exterior railings
Location: Darmstadt, Germany
Year: 2021
Volume: EUR 880,000

SELECTED PROJECTS



Chateau Troja Residence

This luxury residential complex consists of a renovated historical courtyard complemented by seven newly built modern buildings. The apartments feature terraces equipped with frameless, self-supporting glass railings with

a smoked-glass finish. Similar glass railings were also installed in the interior common areas.

Coast Capital Partners is among the most demanding developers, and we were proud to contribute to this exceptional project.



Client: Coast Capital Partners
Scope: Glass balcony railings, interior railings, entrance portals
Location: Troja, Prague, Czech Republic
Volume: EUR 520,000

SELECTED PROJECTS



Komunardů XXXV

Designed by architect Stanislav Fiala, this unique residential building replaced two older houses destroyed during the 2002 floods. Located in the vibrant Holešovice district of Prague, known for its cafés, creative studios, and

cultural scene, the building offers 40 apartments and a two-storey ground floor with a showroom.

Abadia contributed to the project by supplying architecturally distinctive railings made of exposed rebars and a façade system

from weathering steel (Corten). The design, fabrication, and fine detailing of each custom element presented an inspiring challenge — one we were proud to meet.



Client: SEBRE; Property Solutions Group
Architect: Stanislav Fiala, FIALA + NĚMEC
Scope: Exterior railings, Corten façade elements, façade strips
Location: Holešovice, Prague, Czech Republic
Volume: EUR 320,000

SELECTED PROJECTS



Zahálka Residential District

Zahálka is a new residential district in Prague's Modřany neighbourhood, designed by three international architecture studios. The apartments offer exceptional landscape views thanks to large windows and

generously sized terraces.

For this project, Abadia supplied over 3.5 kilometers of railings, 887 shading elements, and 228 custom-designed balcony boxes serving as outdoor storage. These features are integral to the

clean architectural expression and high living standard of the project.



Client: Karlín Group
Scope: Exterior railings, shading elements,
balcony boxes, staircase railings
Location: Modřany, Prague, Czech Republic
Volume: EUR 1.4 million

SELECTED PROJECTS



Praga Studios

Praga Studios presented a unique challenge: we were tasked with fabricating and installing the central architectural feature of the atrium — a set of massive steel walkways that appear to float in mid-air.

Our delivery included the steel roof structure with a primary beam, to which the walkways are suspended via tension rods. We also supplied custom railings with perforated sheet infill, adding to the visual identity of the space.

The project was awarded LEED Platinum and WELL Gold certifications and was recognized as the 3rd greenest office building in the world (at the time of evaluation), and the top-ranked in Central and Eastern Europe.



Client: Skanska a.s.
Scope: Structural steelwork, interior staircases,
interior railings
Location: Karlín, Prague, Czech Republic
Volume: EUR 360,000





SELECTED PROJECTS

Bytový dům TESLA

Rezidence 4 Blok vznikla na místě původního závodu Tesla v pražských Vršovicích. Na této akci jsme se podíleli kompletní dodávkou zámečnických prvků, ze kterých Vás okamžitě zaujmou barevná skleněná zábradlí, která dodávají styl a charakter celému projektu.



Zákazník: VCES a.s.
Dodáno: balkonová zábradlí, příslušenství garáží, vnitřní schodiště
Rok: 2017
Lokalita: Praha, Vršovice
Objem: 5.2 mil. Kč

SELECTED PROJECTS



Lasselsberger Chlumčany Plant

We were contracted to deliver the steel structure for a new production hall for discontinuous mills at the Lasselsberger plant in Chlumčany, located near the city of Plzeň.

Our scope included the fabri-

cation and assembly of more than 100 tons of structural steel, installation of trapezoidal sheet roofing, complete cladding with insulated façade panels, and sheet metal work including drainage elements.



Client: Lasselsberger
Scope: Steel structure for production hall, trapezoidal sheet roofing, cladding with insulated façade panels
Location: Chlumčany, Czech Republic
Volume: EUR 400,000

SELECTED PROJECTS



Škoda Auto Central Kitchen Facility

For the construction of Škoda Auto's new Central Kitchen Facility, we delivered over 280 tons of steel structures in 2020. The building houses a high-capacity industrial kitchen serving the company's production site.

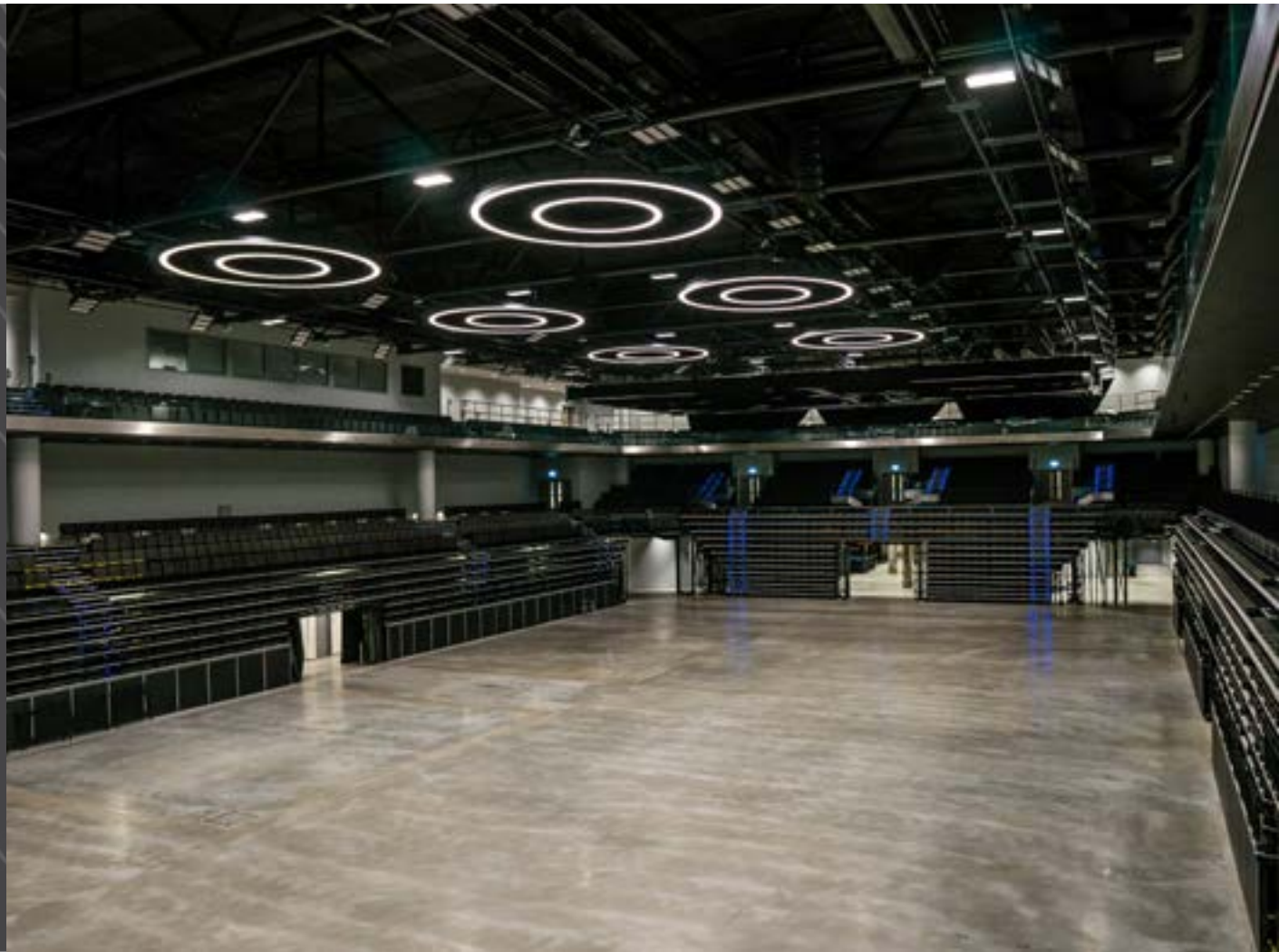
Our scope included technological steel structures on the rooftop, floor openings, raised floors, lintels, shelters, exterior staircases, railings, and a variety of other steel and architectural metalwork elements. The project required preci-

se logistics and coordination within an active industrial environment.



Client: Škoda Auto a.s.
Scope: 160 tons of technological steel structures, floor openings, steel staircases, shelters, raised floors
Location: Mladá Boleslav, Czech Republic
Volume: EUR 1.2 million

SELECTED PROJECTS



O2 universum

Abadia played a key role in the delivery of architectural metalwork and structural elements for this state-of-the-art multifunctional arena. We supplied over 330 metres of high-resistance C5-rated glass balustrades for the grandstands, elegantly combined with

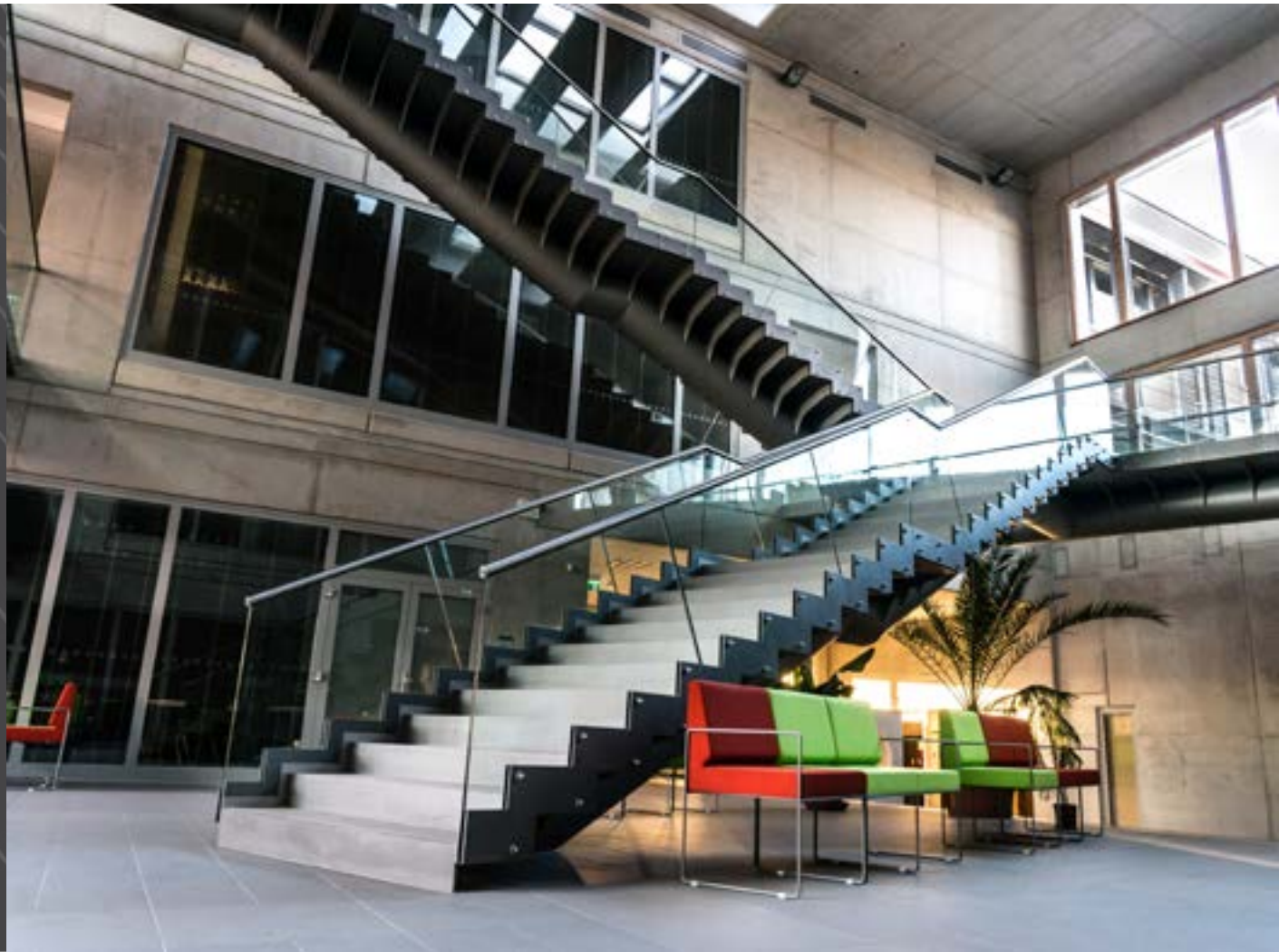
exposed stainless steel bands. The scope also included 180 metres of staircase railings, glass balustrades along escalators, and several complementary steel structures.

Located in Prague's Libeň district next to the iconic O2 arena, O2 universum is a four-storey congress and event complex with 21 halls and a total capacity of 10,000 visitors.



Client: Metrostav a.s.
Scope: Glass balustrades for spectator stands, steel stair railings, structural steelwork
Location: Prague, Czech Republic
Volume: EUR 600,000

SELECTED PROJECTS



University of South Bohemia České Budějovice

Abadia supplied the sculptural steel staircase and connecting walkways that form the central architectural element of the atrium in the Faculty of Science at the University of South Bohemia in České Budějovice.

The bold geometry, exposed structural detailing, and frameless glass balustrades emphasize the raw concrete architecture of the space. The sweeping forms and clean execution of the suspended

walkways create a dynamic spatial experience and demonstrate our ability to deliver complex interior steel structures with architectural precision.



Client: Unistav a.s.
Scope: Interior staircase with glass balustrades,
bent glass, steel walkways
Location: České Budějovice, Czech Republic
Year: 2013

SELECTED PROJECTS



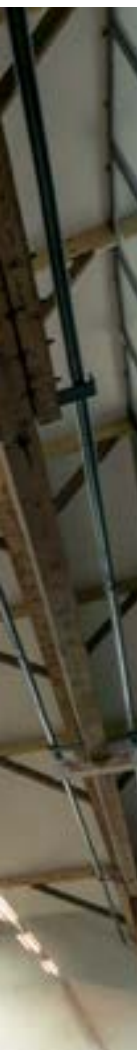
Palmovka Open Park

We are proud to have contributed to the revitalization of an early 20th-century industrial hall through the complete delivery of ten custom-designed skylights. Each skylight was constructed from steel structures with a total weight exceeding 26 tons,

integrated with 20 ventilation chimneys and wired glass panes that authentically replicate the original glazing pattern.

For other buildings within the Palmovka Park complex, we also delivered a broad range of architectural metalwork, inclu-

ding glass and partition railings (interior and exterior) and steel substructures for the atrium.



Client: Metrostav a.s.
Scope: Skylights, structural steelwork, interior railings
Location: Libeň, Prague, Czech Republic
Year: 2018
Volume: EUR 600,000

SELECTED PROJECTS



Realtoria

In Prague's Smíchov district, a former ČKD industrial site was transformed into a multifunctional building for Realtoria. One of the most distinctive features is the pedestrian access bridge, which leads directly to the fourth floor due to the sloped terrain. This 20-me-

tre-long steel footbridge, weighing over 6 tons, was designed and delivered by Abadia.

We also supplied a five-storey steel structure for the building's external escape staircase, along with other steel components throughout the project.



Client: Metrostav a.s.
Scope: Steel footbridges, exterior staircases
Location: Prague, Czech Republic
Year: 2016, 2018



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www.abadia.cz/en

www.abadia.cz/de

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