

akciová společnost





The joint stock company KLEMENT is a stable company operating in the Czech market since 1990 as a general supplier in all civil engineering and mechanical engineering branches. The core of success and also a competitive advantage of the company is mutual cooperation of the technological and construction division, as well as the associated provision of services of high technical and technological level, together with the utilisation of abovestandard and modern manufacturing methods. As a result of the double branched focus, abilities to solve each project in an integrated manner (from the offered solution through project preparation, cooperation with funding all the way to the implementation itself), as well as the ability to implement even the most demanding constructions, KLEMENT has been continuously extending the area of its operation in the market, being among successful companies in the Czech Republic.

KLEMENT a.s. is a partner and supplier in the area of technological units, power and mining industry, housing and civil development, engineering networks, transport

Profile of KLEMENT a.s.

constructions, remediation activities, rehabilitation and ground works. The company has been continuously improving the level of the technology of steel structures, machining, surface finish of metals, currently being one of the few companies in the market that is able to implement a complex technology of manufacturing and remediation of drums to belt conveyors for opencast mining. The joint stock company KLEMENT performs some significantly specialised technological procedures that it is equipped for with a new generation modern technology, such as CNC machines. Yet more important become projects associated with the removal of old ecological burdens, which makes KLEMENT a.s. remarkably visible in the area of the environment and landscape revitalisation.

The joint stock company KLEMENT dedicates maximum care to every project, focusing on full guaranteeing the quality, implementation terms and other above-standard methods which make the company a professional partner for the implementation of any business plans in civil and mechanical engineering.



KLEMENT a.s. is a general supplier of complex technological units for power and mining industry in all project stages:

- know-how
- design
- engineering
- project preparation
- implementation itself
- maintenance

The company operates own production in the below branches:

- production and assembly of steel structures
- machining
- surface finishing of metals

The company implements projects in the following branches:

- constructions for power engineering
- technological units
- fabrication of steel structures
- machining centre
- reconstructions of important structures
- civil construction
- housing
- industrial buildings
- transport construction
- redevelopment, revitalisation
- ground works, demolitions
- engineering structures

It provides its customers with:

- quality guarantee
- extended warranties
- keeping and meeting deadlines
- individual funding of projects
- zoning flexibility
- technical and technological background









KLEMENT a.s. provides complex deliveries of technological units, including specific and very challenging technologies. Typical are projects in power engineering and opencast mining where KLEMENT a.s. has gained great experience throughout the period of its operation in the mechanical engineering market. KLEMENT a.s. participates in partial and complex deliveries for new construction as well as in restoration and reconstruction of integrated parts of

KLEMENT a.s.

existing thermal and combined cycle power plants. Among typical deliveries for power engineering are fuel dumps, coal handling bridges, coal handling towers, crushing stations, coal handling canals, deep storages, engineering networks, and the like. Construction works are performed with the power station in run; only with technological shutdowns.



KLEMENT a.s. provides its employees with good environment and work conditions. The company tries to be an attractive employer that provides a background of a successful, stable and professional company.



PRODUCTION DIRECTOR

IMPLEMENTATION

OF TECHNICAL

UNITS

CONSTRUCTION

METAL CUTTING AND STEEL STRUCTURES MANUFACTURE

MATERIAL AND TECHNICAL SUPPORT

Organisational structure:

TECHNICAL DIRECTOR

ENGINEERING

TECHNICAL

DEPARTMENT

Human Resources

The company offers to all employees a programme of employee benefits, and enables to harmonise both the personal life and career. It therefore offers to the employees an alternate work regimes wherever the nature of their work allows so. Working with cutting edge technologies and pleasantly equipped worksites are a common standard.

KLEMENT a.s. invests particularly in the career development of employees, since qualified and quality labour is the greatest added value of any company.

The use of the most sophisticated procedures, technologies and techniques in the implementation of projects bring the necessity to continuously adjust to the varying environment, and keep pace with the ever increasing demands for professionalism and quality of the performed work. Those needs successively form and model the concept of the corporate education strategy.

KLEMENT a.s.

- provides its employees with a background of a successful, stable, and professional company that knows its manpower is the greatest added value and asset;
- is an employer honouring not only the labour law security of its employees, but is also striving to create respectable working and social environment to work in;





KLEMENT a.s. considers the following the main priorities of their activity:

- the quality of products and provided services, customer satisfaction,
- improvement of the environmental profile of the company by reducing environmental burdens and keeping the principles of its environmental protection,
- improvement of work environment and work conditions of employees, as well as continuous enhancement of the level of occupational health and safety within the company,
- responsible application and development of the Integrated Management System (IMS) including the Quality Management System (QMS), the Environment Management System (EMS), Occupational Health & Safety Management System (HSMS) and continuous improvement of its effectiveness.

KLEMENT a.s. cares consistently for quality control in the preparation of projects during the implementation itself as well as after the project accomplishment, in accordance with the integrated management system.

KLEMENT a.s. is a holder of the Quality Management System that is built based on a group of ISO 9000 standards, Environmental Management System pursuant to ČSN EN ISO 14001:2005, and Occupational Health & Safety Management System Certificate corresponding with ČSN OHSAS 18001:2008.

All key technologies are certified. The top of the certification process is getting the Certificate for general delivery of structures, including steel structures.

In the effort for the highest possible management system efficiency an integrated system was created that integrates common requirements of the individual criterion standards mainly in the area of outsourcing management, management duties, monitoring, measuring, analyses and continuous improvement of the overall performance of the organisation.

In September 2014, a re-certification audit was conducted in KLEMENT a.s. for the Environmental Management System pursuant to ČSN EN ISO 14001:2005, and Occupational Health & Safety Management System Certificate in compliance with ČSN OHSAS 18001:2008.

IMS Policy





Praha, spol. s r. o



CERTIFIKAČNÍ ORGÁN 4. 3824 PROVÁDĚJICÍ CERTIFIKACI SYSTÉMŮ MANAGEMENTU Inditional Čedáni indititin preskrutitici, s.g.s. (ČIA)

CERTIFIKÁT

KLEMENT a.s.

Price, Hillingy 18, 403-13. Co. IC: 25016695

Time confil tion to personale, he re-

systém managementu bezpečnosti a ochrany zdraví při práci

- provádění staveb, jejich změn a odstraňování
- pozemnich vě. zateplování badov
 inženýrských, vodohospodářských vč. výstavby vodaích děl, rekultivací a sanací inženýrských, vodohospodářských vč. výstavby vodnich děl, rekultivaci a sanaci - dopravních
 těžhu merostů
 provádění železobetonových monolitických konstrukcí
 výrobu a montáš ocelových konstrukcí o promové téhonád 2. Chinest)
 svzňování plastových potrubi
 výrobu a renovaci plastových dopravníků a zařízení pro hornickou članost a činnost prováděnou hornickým způsobem

ČSN OHSAS 18001:2008

Certifikit č. BOZP- 589/2014

V Praze dos: 23.9.2014



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Platnast de 23.9.2917

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ing. Václav Gorgol, CSc.









The production potential of the centre of manufacturing and assembly of steel structures ranges from small structures up to medium heavy and heavy structures in EXC3 grade. Materials used are commonly available structural steels up to Hardox steels or austenitic stainless steels and special alloys.

Welding methods used are 135 and 111. Welders are holders of certificates complying with ČSN EN 287-1; welding supervision is provided by welding engineer, technologist and inspector (EWE, EWT, IWI). KLEMENT a.s. has its own staff to take care of VT, UP and PT control, as well as anticorrosion protection KTG-C specialists.

The value added to the production is a number of anticorrosion surface protection capacities, blasting with steel grits in a blasting box, powder coating plant, storage of paints with stirring plant and the company's own area where paints are applied.

Machinery of manufacturing centre and assembly of steel structures

Manufacturing background:

- Manufacturing takes place in three halls (each hall has an area of about 50m x 30 m)
- One of the halls contains a material blasting box and a paint shop

The below cranes are at disposal:

- 1 crane of 32 t lifting capacity
- 3 cranes of 12.5 t lifting capacity.

Crane tracks

The manufacturing halls accommodate 5 overhead travelling cranes with 96 m travel length and with a span up to 18 m and lifting capacities ranging between 12.5 and 32 tons.

Bending machines and machine tools

- Rolling of metal plates in a three-cylinder sheet metal roller, sheet metal thickness 8 mm, width 2,000 mm, minimum diameter 360 mm.
- Bending of metal sheets on press brake, sheet metal thickness 6 mm, width 3,000 mm (interim 2,700 mm.)
- Welding equipment welding sources operating by method MAG – 135
- ESAB LKB 320 4WD
 - FRONIUS VR4000FRONIUS VR3300
- KUHTREIBER
- HERRMAN

ESAB MIG C340

- MEGATRONIC SIGMA400
- FRONIUS VR4000
- ESAB C340 PROSELCO NEOMIG

FRONIUS VARIOSTAR 457

FRONIUS VARIOSTAR 457

Mechanical industrial machines

Form metal sheet cutting

- (portal flame cutting unit Zinser)
- Work dimensions 3 x 4 m
- Positioning accuracy: ± 0.20 mm
- Speed of operation: adjustable to 9 m/min
- Travel speed: adjustable to 12 m/min
- Material extraction table + filter unit KEMPER
- GCS 6000 CNC control system
- Data saving memory: min 250 GB
- For transfer of flame cutting plans; USB Flash 4 GB
- Iron pyrite precision complies with the standard ČSN EN ISO 9013

Section cutting with bandsaw (2 units - possibility of 400x400 mm section cutting)

- Bandsaw ARG 400 plus S.A.F
- AG 400 band thrust adjustment
- KD 400 power brush
- LG 400 digital angle scanning
- SD 400 screw chip conveyor
- Roller conveyor K 400 x 2 m
- Roller conveyor KS 400

Fabrication of steel structures

Guillotine shears (1 piece)

- shear length 3,000 mm
- maximum thickness of sheared metal sheet 15 mm

General purpose parallel lathe SN50 (2 units)

- Swing clearance 500 mm
- Spacing between tips 2,000 mm
- Swing clearance above support 270 mm
- Main electric motor power 5.5 kW

Conventional milling machine FA5B (1 unit)

- Clamping table width 425 mm
- Clamping table length 2,000 mm
- Sliding table feed 1,400 mm
- Transverse table feed 440 mm
- Table upfeed 440 mm
- Spindle speed 18-1400 rpm

Blasting and coating unit

- Steel grit blasting in blasting cabin (dimensions l x w x h = 4 x 3 x 3 metres)
- Surface treatment of metals by applying all-type coatings in open coating box

Spray booth operates as a vacuum cabin with dry separating system. From exhaust shafts channels lead into an exhaust unit that is equipped with cartridges containing active carbon.

The HVAC system of the unit is provided with filter units containing active carbon to reduce volatile substances in exhaust air.

The unit consists of the below basic units:

- spray booth
- dry separating system
- thermal ventilation unit



In mechanical industry, the joint stock company KLEMENT presents itself also in machining and metal work. Besides welding and other metal works, KLEMENT a.s. provides repairs and reconditioning of rollers for remote belt transport on a specialised manufacturing line. Within the manufacturing process, KLEMENT a.s. provides expert designs for the use of suitable materials, machining methods as well as thermal and surface treatment of products. Provision of assembly and disassembly works, as well as putting technological units in operation, forms an integral part of the manufacturing.

The manufacturing background comprises two halls:

- Hall machining shop (hall size: 15 m x 35m)
- There are two overhead bridge cranes of 5 ton lifting capacity in the machining shop.
- Hall locksmith's shop with cutting machine (hall size: 18 m and 30 m length)
- There is a crane in the locksmith's shop of 10 ton lifting capacity

Machinery to be found in the machining centre:

CNC lathe ALPHA 2800 XS - 4500

- Fanuc control system
- Swing clearance 1,000 mm
- Spacing between tips 4,700 mm
- Swing clearance above support 710 mm
- Swing clearance in breakthrough: 1,300 mm
- Passage through the spindle: 155 mm
- Spindle speed 10-1,400
- Main electric motor power 26 kW

CNC lathe DP2 – 8000

- Siemens control system
- Swing clearance 2,000 mm
- Spacing between tips 8,200 mm
- Swing clearance above support 1,650 mm
- Spindle speed 150
- Four-jaw clamping desk diameter 1600 for adjustment
- Three-jaw chuck dia. 1000 max clamping dia. 1,300 mm
- Main electric motor power 55 kW

Machining

CNC lathe BN60 – 6100

- Fanuc control system
- Swing clearance 1,527 mm
- Spacing between tips 6,100 mm
- Swivel sleeve
- Three-jaw chuck 800
- Swing clearance above support 1,100 mm
- Clamping of workpieces between tips 6,500 kg
- Clamping of workpieces with single steady between tips 7,600 kg
- Passage through the spindle: 230 mm
- Spindle speed 5-350
- Supporting steady fixed 30-400 mm
- Supporting steady enlarged fixed 350-700 mm
- Supporting steady movable 30-300 mm
- Main electric motor power 45 kW

Vertical knee-type milling machine FGS 63 NCP

- Heidenhaim control system
- Table surface 630x1800 mm
- Sliding table feed 1,400 mm
- Transverse table feed 630 mm
- Vertical movement 600 mm
- Speed 56-2800 rpm
- Input 20 kVA

Centre lathe SU 63H - 3500

- Swing clearance 655 mm
- Spacing between tips 3,500 mm
- Swing clearance above support 390 mm
- Spindle bore 82 mm
- Maximum loading limit between tips 6,000 kg
- Three-jaw chuck 400 mm
- Main electric motor power 18.5 kW

Vertical shaper 7D 430

- Table diameter 600 mm (when clamped with clamps dia. 500 mm)
- Hoist 640 mm
- Chuck 400 mm
- Maximum groove depth 225 mm









Horizontal shaper W100

- Max bore dia. with spindle 560 mm
- Max dia. of face turning 900 mm
- Work spindle ejection 900 mm
- Table clamping surface 1,250 x 1,250 mm
- Sliding table feed 1,250 mm
- Transverse table feed 1,600 mm
- Digital admeasuring in four axes

Bandsaw ARG 400 PLUS S.A.F.

- Max cutting dia. 400 mm
- Cutting angles 60 degrees to the right, 45 degrees to the left

Hydraulic press PYE 160 S/1M

- 160 tons
- Table dimensions 900 x 630 lift 800 mm

Radial drilling machine VR 8A

- Max solid drilling dia. 80 mm
- Max thread dia. M76
- Largest spacing circle 5,812 mm
- Max distance from spindle to the base 2,200 mm

Two side planer HD 16

- Planing width 1,600 mm
- Planing length 6,000 mm
- Planing height 1,600 mm

Burning machine MICKA with GCS 4000 control system

- Work dimensions 2 x 4 m
- Positioning accuracy: ± 0.20 mm
- Speed of operation: adjustable to 9 m/min
- Travel speed: adjustable to 12 m/min
- Material extraction table
- GCS 4000 CNC control system
- Data saving memory: min 25GB
- For transfer of flame cutting plans; USB Flash 4GB
- Iron pyrite precision complies with the standard ČSN EN ISO 9013



Balancing machine

 Static and dynamic balancing of drive, reverse and transfer drums from dia. 500 to 1,600 mm, max weight 10,000 kg

Stand for repair of rollers

Maximum roller length 1,200 mm

Guillotine shears 2 units

- Maximum shear length 3,150 mm
- Maximum thickness of sheared metal sheet 6.3 mm
- Maximum thickness of sheared metal sheet 16 mm

Sheet metal brake XOCM 2000/4A

- Maximum sheet metal length 2,000 mm
- Maximum sheet metal thickness 4 mm

Welding equipment

- SELCO NEOMIG 322 MIG welding options
- SELCO PSM 508
- SPB
- WLSP 315
- WTU 200
- WTU 315.31
- ZU 315-22
- SELCO NEOMIG 3500XP
- TELWIN Technomig 225 Pulse
- TELWIN Technomig 225 Pulse
- EWM Phoenix 421
- ESAB Origotmmig 4001i







TRANSPORTA

The joint stock company KLEMENT is an exclusive owner of the TRANSPORTA undertaking's trademark, a holder of its industrial rights in the Czech Republic as well as abroad, and a provider of documentation and know-how of that former state-owned enterprise.

In the era of the former Czechoslovakia, the national enterprise TRANSPORTA became a monopolistic producer of a large portfolio of products and services registered under the below trademarks:

- Trademark No. 153767 (international registration number 1135066)
- Trademark No. 164234 (international registration number 451992)

Currently project documentation to long-distance belt transport for technological plants used in coal mining and stripping is still ongoing in domestic strip mines and in opencast mines abroad, especially in the states of the former Soviet Union.

The documentation that KLEMENT a.s. archives, can be categorised in primary output extraction technological units that are characterised mainly with the transport zone width, and the number and performance of the individual drive units, as follows:

- TC1: Belt conveyors for long-distance conveyor transport of belt width up to 1,200 mm
- TC2: Belt conveyors for long-distance conveyor transport of belt width ranging between 1,600 and 1,800 mm
- TC3: Belt conveyors for long-distance conveyor transport of 2,000mm belt width and more.

The long-distance belt conveyor transport technology includes technological devices that allow loading and unloading of the extracted material and its handover to following technological units (loaders), alternatively for depositing on terrain: hoppers, rail or caterpillar trippers, transfer caterpillar trucks for all the aforementioned technological units.

Complete documentation archived with KLEMENT, a.s. is filed by individual Technological Units for the original mining organisations. The scope of it covers the overall composition of the individual conveyors, as well as their groups and subgroups, detailed for the manufacturing, service and maintenance of partial elements, units and devices, such as:

- steel structures of driving, tensioning and reversing stations, hoppers, trippers (SV), conveyor belt loaders (PVZ)
- drive and reversible drums; master and slave drives
- complete equipment (tension systems, equipment of belt track, incl. roller stands, conveyor belt zone operation adjustment system, drop points, service cabins, etc.
- relevant documentation for the operation and use (e.g. maintenance instructions, operating procedures, etc.)



The aforementioned documentation was used in investment projects for power engineering (for instance Prunéřov Power Station - transport of VEP to the North opencast mine disposal site; ETI - Modifications of coaling technology for dustiness reduction - PS 01 Adjustments of belt conveyors; Reconstruction and upgrade of technological transport at SD a.s., Doly Bílina /Mines of Bílina/, and at Sokolovská uhelná, právní nástupce, a.s. / Sokolov Coal Joint Stock Company, legal successor/).

Upon request of the organisation, KLEMENT a.s. will provide availability of the above documentation for the needs of maintenance, repairs, replacements and manufacturing of individual elements of the aforementioned technology with the possibility of mutual agreement on the conditions (e.g. number of copy formats, parameters by complexity and scope contained in drawings, etc.).

TRANSPORTA

REFERENCES

0

Soil Reclamation Civil Engineering Works Steel Structures' Centre



Constructions for Power Industry Ledvice Power Plant– New Unit 660MWe





akciová společnosť









OB 01 Coal Handling - Phase A and B

Client: NOEN, a.s.

- Character: Turnkey civil part contract, including design documentation (Basic and Detail Design)
- Description: The work was implemented on "Turn-key" basis, including design documentation. The coal handling project was divided into two phases: A and B. Phase A included complete coal feeding for the existing boilers of Ledvice Power Station, construction of coal storage, underground coal bunker, and crashing station. Phase B involved coal handling for the newly built unit where it was necessary to build bridges for coal transport more than 60 m high. All works were carried out in concurrence with other commercial packages during the Power Plant operation.

OB 10.1. Internal Power Generation By-products' Handling

- Client: ŠKODA PRAHA Invest s.r.o.
- Character: Turn-key project, including design documentation (Basic and Detail Design)
- Description: Technological supply and erection of internal equipment for power generation by-products' handling by means of conveyors, and their processing in a mixing centre producing dense slurry, i.e. storage and transport of fly ash and slag, transport of unwashed gypsum, storage and transport of mixing water, unloading and storage of lime powder, preparation and transport of concentrated slurry for further processing, including civil part for accessories, all on the "Turn-key" basis.

OB 10.2 External Power Generation By-products' Handling

- Client: ŠKODA PRAHA Invest s.r.o.
- Character: Turn-key contract including design documentation (Basic a Detail Design)
- Description: The Work includes supply and erection of external facilities for power generation by-products' handling - concentrated slurry and slag processing into cast granulate with special additives and its pumping to the deposit site, namely slag crushing and its transport to the mixer, mixing water supply for the mixer, preparation and transport of cast granulate into the pumping station and further pumping for several kilometres through a pipeline to the deposit site.

OB09 FGD Area – Civil Part of the FGD Plant

Client: ANDRITZ Energy & Environment GmbH

- Character: Implementation of civil part pursuant to provided design documentation, detail design generation
- Description: The project includes civil part for flue-gas desulphurisation technology at Ledvice Power Plant using semi-dry method: unloading and storage of bulk limestone, limestone crushing and milling, limestone slurry preparation, FGD plant, gypsum dewatering and storage. The contract includes special deep foundation methods on piles, underground monolithic structures made of water resistant concrete under groundwater table level, special structure of cladding for environment corrosivity class C4 and/or C5, complete electrical installation, etc.

Constructions for Power Industry Prunéřov I and II Power Plant– General Reconstruction





Constructions for Power Industry Prunéřov I and II Power Plant-General Reconstruction





Client: ANDRITZ Energy & Environment GmbH

Character: General supply of civil work

Description: Civil work including demolition of the existing construction, specialized foundation, monolithic structures, cladding, painting and roof covers, grounding and smith work, elect-rical installation and street lighting, waste disposal, concrete structures' special painting resistant to chemicals

KO EPRU II – OB 11 – Civil Work



Client: Metrostav a.s.

Character: Construction for technology

Description: Construction work on external coal supply facilities, refitting and reinforcement of the existing steel structures and installation of new cladding onto coal supply towers and bridges

This commercial package also included reconstruction of three fuel storages as well as refitting of underground bunker hopper with sprayed concrete and following basalt lining.

KO EPRUII – OB 02 – (DPS) for the Boiler House

Client: VÍTKOVICE POWER ENGINEERING a.s.

Character: Constructions for Power Industry

Description: DPS 02.08: General reconstruction of slag extraction from the combustion chamber hopper, slag cooling, devatering, grain size adjustment and transfer to distribution chutes of double belt conveyors.

> DPS 10.01: double-line transport of slag and fly ash of back ducts from the boiler house to slag silos, silo storage and delivery. Slag extractors, slag crushers and slag transport. Subject to the project was also slag dewatering on the inclined part of the extractor.

KO EPRUII – OB92 – Power Generation By-products' Handling

Client: VÍTKOVICE POWER ENGINEERING a.s.

- Character: Belt conveying system refitting and capacity increase
- Description: Based on assessment of technical condition of the existing belt conveying system, reconstruction and capacity increase was carried out to meet required increased output parameters of the belt conveyors and extension of their service life by further 25 – 30 years. The supplies also included assessment and evaluation of condition of the existing steel structures of towers and belt conveyors' bridges and providing necessary extent of repairs, reconstruction and refurbishing. The pro-ject was implemented according to the original design documentation by TRANSPORTA a.s.



KO EPRU II – Transport of Power Generation By-products – PD 11

Client: AC TECHNOLOGIES, s.r.o. Character: Constructions for Technology Description: Demolition and installation of foundations for de-dusting technology of limestone handling for OB 91





Client: ŠKODA PRAHA Invest s.r.o.

Character: Belt conveyor refitting

Description: Subject to this project was general replacement of the exi-sting worn pan conveyor PD11, width of 1 600 mm, laid on a separate 4000 mm wide bridge behind the new pipe belt conveyor TPD11 with diameter of 500 mm. Replacement of the whole bridge over the ČEZ railway track and express rail-way corridor Chomutov – Karlovy Vary was carried out under operation of the railway. A crane, the only of its kind in the Czech Republic, was used for dismantling and replacement of the parts. The project was implemented according to the original design documentation by TRANSPORTA a.s.

DPS 01 20 02 EPRU 0B01 – Coal Handling

Client: NOEN, a.s.

Character: Constructions for Power Industry

Description: Civil work - preparation for installation of the new drive station PS T8B: blinding of openings for collecting chutes of plough scraper No. 6B, cutting a new opening through the floor, site preparation for anchoring of the new drive T8B.

Foundation for De-dusting of Limestone Handling, Prunéřov II

KO EPRU II – OB 01, DPS 01.11.02 – Exhaust

Client: AC TECHNOLOGIES, s.r.o.

Character: Supply of steel structures

Description: Manufacture of steel structure for OB 01, DPS 01.11.02 - Exhaust, including painting and transport to Prunéřov Power Plant in scope of General reconstruction of Prunéřov II Power Plant.

Constructions for Power Industry Tušimice I and II Power Plant– General Reconstruction







Descr

Client: ŠKODA PRAHA Invest s.r.o. Character: Reconstruction of limestone and gypsum handling Description: The project included reconstruction of transport routes, crushers and mills, including supply of new hydro-cyclone stations for slurry preparation for FGD units, set of modifi-cations for dustiness combating and gypsum production. The project was implemented according to the original design documentation by TRANSPORTA a.s.



Client: SMP CZ, a.s. Character: General reconstruction of ETU 2 Power Plant- civil part for coal handling Description: The project included: construction alteration to the travelling tracks of the coal feeder, reconstruction of coal-feeding brid-ges T 11, 12, 14 (bridge sheathing, surface treatment, resto-ration of concrete structures), overloading towers 1-8, coal handling control room, channels of belt conveyors T7, 10, 30 and 31 (new reinforced concrete structures and/or restoration of concrete structures and surfaces). Part of the project was also replacement of electrical installations, water distribution system for spraying and fire-fighting and sewerage system.

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Tušimice 2 Power Plant General Reconstruction – Civil Part – Phase 1

Tušimice 2 Power Plant General Reconstruction – OB 91 and 92

Repair of Dewatering Lines – ETU Power Station

Client:	ČEZ, a.s.
Character:	Repair of technological units
Description:	Replacement of 3 dewatering lines in the Power Plant premi- ses after an operational breakdown
	The work was divided into separate subprojects: Subproject 1 -Dewatering lines - route A, Subproject 2 – Dewatering line - route C, Subproject 3 – Dewatering line - route B. The project was implemented on "Turn-key" basis.

Reconstruction of Belt Conveying System – ETU Power Station

Client: NOEN, a.s.

Character: Technology reconstruction

Description: Reconstruction of long-distance belt conveying system inclu-ded: modification of pipe conveyor TD PC 400 KOCH, modi-fication of belt conveyors PD 101, PD 102 and PD 103, including electrical and telecommunication part, machanical and technological part, painting in required scope, replacement of covers, clamps, intermediate parts and conveying belts.

Constructions for Power Industry Počerady Combined–Cycle Power Plant









Client: Metrostav a.s. Character: "Turn-key" contract, including detail design documentation Description: Supply and installation of monolithic foundations, including foundation of combined –cycle turbine using so called slowly--setting concrete mixtures. Supply of steel structures: manufacture and erection of steel structures of buildings SO490/04 Gas turbine machine room, incl. outbuildings and superstructures.



Cycle 880 MWe Unit in Počerady Power Plant – OB14 – Civil part

Make-up Water Treatment Plant for 880 MWe Unit – 0B04

Client: KP Ria a.s.

Character: "Turn-key" contract for civil part, including detail design do-Description:

Complete "turn-key" construction of the technological unit, including monolithic substructure using water resistant con-crete, and following erection of steel structure with heat-in-sulated cladding, electrical, sanitary and technical installations.

High Voltage Lines





V413

Location: Power line route V413 - V413 line transformer (TR) Řeporyje - TR Prosenice

Client: ČEPS, a.s.

- Character: "Turn-key" contract, including design documentation and engineering
- Description: The project included works leading to increase in capacity of the existing high voltage power lines. Implementation consisted in extension and restoration of transmission footings and heightening of the towers by inserting parts of the frame structure. The project also involved complete electrical installation – mounting of new insulators and adjustment of conductors.

V410

Location: Route V410 – Transformer Výškov – Transformer Čechy Střed Client: ELTODO a.s.

- Character: "Turn-key" contract, including engineering and testing, without design documentation
- Description: Complete removal of existing lines between towers No. 39 - 65. New power line 2x400 kV route was built in section of towers No. 21 – 65. The work included: earth work, foundation construction, assembly and erection of tower structures, installation of insulator sets, phase conductors OPGW, and overhead earth wires with optic fibres, including all fittings, vibration absorbers, warning aeronautical lights, optic conduit boxes and other accessories.

Photovoltaics



Photovoltaic Power Plants Chabařovice – Vyklice

- Loca (Char
- Descri

Photovoltaic Power Plant (FVE) Triangle Strategic Industrial Zone (SPZ)

Loca (Char Descrij





ation:	Cadastral territory of Vyklice and Zalužany
Client:	RAY-ON a.s., SUNTEON a.s.
racter:	General supply and installation of photovoltaic power plants – "Turn-key" contracts
ption:	Newly built photovoltaic power plants generate electricity at Chabařovice – Vyklice area of former strip mines. Photovol- taic panels were installed on fixed steel structures. The pro- jects included fencing, electronic security system and service roads.

ation:	SPZ Triangle, cadastral territory of Žíželice u Žatce
Client:	FVE Triangle a.s.
racter:	General supply and installation of a photovoltaic power plant
ption:	General supply and installation of the photovoltaic power plant with converters' and modules' output of 6 000 kWp $$

Technological Units





Overhaul of KU 800.18/K99 Bucket-wheel Excavator

Location: Severočeské doly a.s., Doly Bílina Client: Severočeské doly a.s.

Character: Engineering Industry – Technology reconstruction

Description: The project included: design documentation, site preparation, dismantling, supplies, installation and repair of the existing equipment, and testing. In scope of the contract we also carried out overhauls of carriage units, lower and upper structure, bucket wheel, counterweight, loading and fixing boom of the excavator, KU800 accessories, electrical equipment and installation, engine room, hydraulic equipment, support vehicle, swivel base, and feet.

Reconstruction of Technological Bridges D1 to D4

Location: Severočeské doly a.s., Doly Bílina Client: PRODECO, a.s.

Character: Reconstruction of technological bridges

Description: Subject of the contract was erection of scaffolding, dismant-ling of original concrete panels, dismantling of side she-athing and roof of the bridge. Follow-up work included modifications of steel structure, anti-corrosion protection, new steel floor, concrete staircase with new handrails, installation of new cladding and dismantling of scaffolding.

Relocation of Coal Loading – Jiří Division

- Location: Sokolovská uhelná, a.s.
 - Client: Sokolovská uhelná, a.s. (currently Sokolovská uhelná, právní nástupce, a.s.)
- Character: Reconstruction of technology
- Description: Reconstruction, construction and installation of coal loading unit, including belt conveying, support bridges, distributing carriages, crushing station, reloading stations, towers, etc.

Replacement of NP 150 Loaders

- Location: Sokolovská uhelná, a.s.
 - Client: Sokolovská uhelná, a.s. (currently Sokolovská uhelná, právní nástupce, a.s.)
- Character: Technology installation
- Description: Supply of two new bucket loaders KN 760 that replaced out--of-date NP 150 loaders

Technological Units

Belt Conveying of Overburden from K99 to Inner Dump of Bílina Mines

Lo Ch Desc

Libouš Strip Mine – Refitting of PD 263 - PD 264 Belt Conveyors

Loc Chai

Descr



Loc Char Descri











ocation:	Severočeské doly a.s., Doly Bílina
Client:	Severočeské doly a.s.
aracter:	Technological units for strip mines
ription:	Transfer of the existing technology, including earthwork, roads, utilities, reconstruction and refit of technology and electrical installation, mechanical and electrical work and supplies, dismantling, repair, relocation, re-installation, and putting 2000 and 2200 mm belt conveyors and SV 2250 tri- pper into operation. The contract was implemented accor- ding to the original design documentation by TRANSPORTA a.s.

ation:	Severočeské doly a.s., Doly Nástup Tušimice
Client:	PRODECO, a.s.
racter:	Installation and putting mechanical components of conve- yors into operation
ption:	Installation of drives and gearboxes onto drive frames, fra- me and support of the belt drive, supplies and erection for installation of SVENBORG braking system, adjustment of dri- ving pulleys, steel structures of driving stations, belt tensio- ning sensors, supplies and installation of scrapers, dust-pre- vention belt of the belt conveyor, rear-end pulley station of the belt conveyor, middle part of the belt conveyor, mechani- cal engineering parts of limit switches and sensors.

Completion of Excavation Technology TC 2/1, Site No. K 55

ation:	Jiří Strip Mine
Client:	Sokolovská uhelná, právní nástupce, a.s.
racter:	Technology for overburden transport and dumping
ption:	Reconstruction of 1800 mm belt conveyor and supply of SVK tripper for the belt width of 1800 mm The contract was im- plemented according to the original design documentation by TRANSPORTA a.s.

Steel Structures for "Refit of D45 Crusher" Project at DNT

ation:	Severočeské doly a.s., Doly Bílina
Client:	PRODECO, a.s.
racter:	Coal crushing technology
ption:	Manufacture and supply for erection of columns, girders, fra- mes, hoppers, collecting chutes, sumps, baffle plate, sump, walkway, platform and staircase, including painting.

Industrial Constructions and Technologies





Extension of the Emerán Mining Water Treatment Plant – Civil Part

Location: Severočeské doly a.s. - Doly Bílina Client: SMP CZ, a.s.

Character: Civil part

Description: The contract included monolithic structures of tanks founded under the groundwater table level, piling, steel structures and cladding, restoration of monolithic structures, utilities – water supply, sewerage system.



Extension of the Emerán Mining Water Treatment Plant - Part

Location: Severočeské doly a.s. - Doly Bílina

Client: SMP CZ, a.s.

- Character: Technological part, including design documentation
- Description: Technological part covered general supply and installation of all mining water treatment plant's (UDV) operation units, including design documentation and implementation, electrical and control systems. Part of the contract was providing general service during trial operation and optimizing of control systems with links to already operated UDV parts.

Industrial Constructions and Technologies





Descr

Power Distribution – SYNTHOS Kralupy

Lo Cha

SYNTHOS Kralupy - combustion Turbine and Boiler House Adjustment

Loc Char Descr

Ch Des



36



Sugar Factory České Meziříčí – Supply of Filtration Technology

ation:	Sugar factory at České Meziříčí
Client:	Cukrovary a lihovary TTD, a.s. (currently Tereos TTD, a.s.)
racter:	Supply of filtration technology and boiler house de-dusting system
iption:	General supply of equipment for flue gases treatment ar solid pollutants filtration to 10 mg/Nmt in exhaust of boile

No.1, 2 and 3, including dust exhaust and installation of FGD technology in phase I and II

cation:	SYNTHOS Kralupy a.s.
Client:	Bohemia Müller s.r.o.
aracter:	Construction and reconstruction within industrial premises

Description: The contact included relocation of the existing asphalt road for heavy traffic inside the area, construction of a new transformer station and reconstruction of 110 kV substation. Part of the contract was also dismantling and installation of new technological bridges and footing reconstruction.

ation:	SYNTHOS Kralupy a.s.
Client:	ČKD PRAHA DIZ, a.s.
racter:	Civil work in the plant premises
ption:	Boiler house substructure – foundation for technology, con- crete floor at +0.00 m level, paved areas before the boiler house, fire water supply and sewerage system

and complete civil and technology electrical installations.

Installation of Production Line No. 8 and 9 - JOTUN

ocation:	Trmice, Ústí nad Labem District
Client:	INTECON spol. s r.o.
naracter:	Chemical plant building-in
cription:	Civil work included namely building-in of technological plat- forms and ducts into the existing construction; moreover, re- construction of the roof, including its structure heightening,



Reconstruction of Significant Buildings



n n n

Lo Cha

Descr

Reconstruction of the Škoda Palace

Loc Char Descri

Rebuilding of an Administration Building into a Hotel

Loc

Reconstruction of Národní dům Karlovy Vary – Phase I and II







Reconstruction of Horse-breeding Farm at Kladruby

cation:	Kladruby nad Labem
Client:	National Horse-breeding Farm Kladruby
aracter:	Reconstruction of a listed monument Constructions inlisted zone
iption:	The contract included reconstruction of all stables, accommo- dation facilities, storehouses as well as the chateau, church, waterworks, timbered gamekeeper's lodge, and chapel with stress put on preserving maximum of original materials and structures. The reconstruction required high level of pre-

ation:	Jungmannova 35, Charvátova 41, Praha 1
Client:	COPA Retail, s.r.o. (currently COPA Retail, k.s.)
racter:	Reconstruction of a listed monument
ption:	Demolitions, dismantling of utilities, main construction works, interiors and all modifications incurred by layour changes according to requirements of the Municipal Author rity of the Capital of Prague, protection of listed monument? elements, conservation works, reconstruction of utilities and the roof, renovation of joinery and cabinet-making products

servation of authenticity of new structures under supervision of the Department of State Care of Historical Monuments.

ation:	Letenská	11,	Praha	1

Client: Transakta a.s.

Character: General reconstruction of a hotel

Description: Rebuilding of an administration building into a hotel

The contract included basement deepening, demolition of part of load bearing structures, static fixing of load bearing structures, reinforcement of existing ceiling beams, complete dismantling and new structure of floors, construction of lift wells, dismantling of the roof, treatment and reinforcement of roof frame elements, installation of new roof cladding, restoration of basement masonry, waterproof insulation, gypsum board structures, surfaces treatment.

- Location: Zeyerova, Jugoslávská and T. G. Masaryka Street, Karlovy Vary Client: ELTODO EG, a.s.
- Character: General reconstruction of the original building
- Description: The construction project included demolitions, earth work, foundations, insulation, vertical and horizontal load-bearing structures, steel structures, locksmith structures, partitions, filling of openings, surface treatment, building services, and other building equipment, restoration of the Národní dům forces of fattal area of 70 c2 m2. The parties the services data fresco of total area of 79.63 m2. The project also covered restoration survey and restoration plan, removal of overlaying layers, repair of plasters under the fresco, restoration or conservation of the painted strip and surface painting.



Civil Construction





Cha Descr

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Loca







Winter Stadium Poděbrady

cation:	Poděbrady
Client:	The Town of Poděbrady
aracter:	Construction of a new winter stadium
ription:	The construction replaces the original, already demolished, winter stadium. It was designed as a sports arena with exter- nal cladding, with load-bearing reinforced concrete structure (tubular steel framed structure). Part of the project was also a new ice-ring, electrical installation – lighting, HVAC, sanitary facilities and access roads.

SOUp Jílové u Prahy

ation:	Jílové u Prahy
Client:	Secondary vocational school of food processing (SOUp) and the Central Bohemian Region
racter:	Construction of a new school building
iption:	Construction of multi-purpose classrooms for about 180 stu- dents, gymnasium and sanitary and technical facilities, inclu- ding adjoining roads and landscape gardening was carried out in the SOUp Jílové u Prahy premises.

Forum Ústí nad Labem – Kostelní náměstí Layout Alteration

ation:	Ústí nad Labem
Client:	MultiVeste Czech Republic 6, s.r.o.
racter:	Construction of roads and pavements in urban area
ption:	Construction of roads, square and pavements complemen- ting the shopping centre square and connected to the exis- ting traffic network of Ústí nad Labem
	The roads and paved areas were divided into several types of restored urban spaces with different kind of paving. The pro- ject included relaying utilities as well as construction of new ones, street lighting, street architecture and traffic signing.

Reconstruction of Švýcarská bouda

ation:	Špindlerův	Mlýn
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- Client: P + P spol. s r.o.
- Character: General reconstruction of a hotel
- Description: General reconstruction of the existing hotel, increase in capa-city by about 40 new beds with private facilities, kitchen and kitchen facilities refurbishing, construction of new parking places.



Housing Construction



Construction of Residential Houses at Uhříněves Centre

Lo Cha Descr

Loca Char Descri

New Family House Roztoky

Loc Char Descri







Loc



cation:	Uhříněves
Client:	Uhříněves Property Development a.s.
aracter:	Construction of residential houses
iption:	Complete construction of 20 villa houses including ga- rages, roads, landscape architecture, fencing, water supply, sewerage system incl. connections, medium-pressure gas pi- peline with connections, telephone line relying, street ligh- ting, and front gardens.

Residential House Nad Krocínkou

ation:	Praha 9
Client:	BB Invest spol. s r.o.
racter:	Residential house construction
ption:	The construction project included excavation of foundati- on pit with strutted sheeting, foundation slab, monolithic structures, receding saddle roof, landscape gardening, site preparation, public utilities, roads, 38 flats, 1 commercial spa- ce, 45 garage parking places and 39 cellars according to the design documentation.

ation:	Cadastral territory Roztoky u Prahy
Client:	Ing. Jaroslav Veverka
racter:	"Turn-key" construction of a family house
ption:	The newly-built house was granted A-class certificate of ener- gy demand according to Act No. 406/2000 Coll., on Energy Management, as amended, and it is so called "Intelligent Home" equipped with interconnected communication sys- tems controlled from one control point. Door entry system, heating and cooling in cooperation with HVAC unit, swim- ming pool and whirlpool, ventilation and shading of the hou- se, automatic plants watering, complete computer network, incl. home cinema.

Construction of Residential House "Dalibor II"

ation:	Špindlerův	Mlýn
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- Client: Centrum 2000, a.s.
- Character: Residential house construction

Description: Complete construction of a residential house with 40 flats

The project included major construction work, interiors and all alterations resulting from layout changes, utilities, earth work, roads and landscaping, landscape gardening, electri-cal installation, central heating, sanitary facilities, HVAC, car park, street lighting, lift, and gas pipeline connection.



Industrial Buildings



Lo Cha Descr

Production Hall of HS UMFORMTECHNIK s.r.o.

Loc





Location: Production plant of ŠKODA POWER s.r.o. – building number 339 Client: ŠKODA POWER s.r.o. Character: Reconstruction of an industrial facility Description: The project dealt with reduction of energy demands of tur-bine hall and adjoining extensions, sanitary and operation facilities and administration parts (heat insulation of the building envelope, roof deck, replacement of windows, heat insulation of doors and gates, design of gate curtains, hot water preparation by means of solar panels, alterations to electrical installation and other existing energy distribution systems affected by civil works).



OCCURATE MARKS.

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Magna Production Hall Chomutov

ocation:	Chomutov – Severní pole
Client:	Chabařovické strojírny, a.s.
aracter:	Construction of a machine-building plant
ription:	The major civil works included a steel hall with sandwich panel cladding and administration building made of mono- lithic reinforced concrete. Part of the project were also all utilities, roads and parking spaces, fire-fighting water tanks for sprinkler fire-fighting systems, landscaping and fencing of the area.

ation: Chomutov – Severní po	e
ation. Chomutov – severní po	e

- Client: HS UMFORMTECHNIK s.r.o.
- Character: Construction of a machine-building plant
- Description: The construction activities were divided into two phases. The first phase included construction of a steel hall with sandwich panel cladding with extension for the plant administration. In the second phase another production hall was built. The project included all utilities' distribution networks, roads and parking spaces, landscaping and fencing.

Construction of PULS Chomutov Production Hall

Location: Chomutov – Severní pole Client: PULS Investiční s.r.o. Character: Production hall construction Description: "Turn-key" construction of machine-building plant of total area of 60 015 m2 containing two production halls with an extension for storage and administration with total area of about 5900 m2, service and access roads and parking places.

Reduction of Energy Demands of ŠKODA POWER s.r.o. Buildings



Transport Constructions



D8 Motorway, section 0805 Lovosice – Řehlovice

Lo Cha Descr

D8 Motorway – Fly-over for a Bio-corridor

Loc Char Descri

Loc





Character: Structural engineering and transport constructions Description: Construction of operation and technical facilities of Pracko-Construction of operation and technical facilities of Pracko-vice – Radejčín tunnel, namely reinforced concrete structu-res that were together with the tunnel faces incorporated into the slope next to the tunnels' exit. Moreover, the project included cable ducts and cable chambers, including electrical installation. To ensure embankments stability, retention walls were built of gabions.

Repair of Platforms of Kolín – Zálabí Train Stop

Loc



cation:	Radejčín Tunnel – Ústecký and Pražský tunnel face
Client:	Metrostav a.s. / EUROVIA CS a.s.
racter:	Transport constructions
iption:	Site preparation, clearing and felling, earth work, works re- lated to tunnelling and Radejčín tunnel faces' construction followed by backfilling of underground structures and land- scaping, including soil reclamation and revitalisation. The site is located at Radeičín municipality on D8 motorway.

ation:	D8-0805 Lovosice – Řehlovice, km 50,910 – 50,960
Client:	Metrostav a.s.
racter:	Transport constructions, engineering structures
ption:	Construction of a bridge enabling K13 trans-regional bio -corridor to cross the D8 motorway at km 50,910 – 50,960 between municipalities of Vchynice and Bilinka
	The civil works included earth work, pile foundations, continuous footing, vertical and horizontal structures, retention walls, pavement, crash barriers, and drain ditches.

D8 Motorway – PTO Radejčín a Prackovice

Client: Metrostav a.s.

ation:	Kolín – Zálabí train stop
Client:	Správa železniční dopravní cesty, státní organizace
	Deflected and the state of the

Character: Railway constructions

Description: Removal of the original platform, direction and elevation le-velling of railway tracks by ASP type machinery, construction of new platforms, foundations and cable routes for street li-ghting, and other related works.



Soil decontamination



Lo Cha Descr

Loca Char Descri

Ležáky Most Strip Mine – Liquidation of Spontaneous Fire

Loc Char Descri





Remediation of Chabařovice Strip Mine Residual Pit

Loc Char Descri





Pressure Gasworks Ústí nad Labem

ocation:	Ústí nad Labem
Client:	RUMPOLD s.r.o.
aracter:	Soil sanitation
ription:	Soil decontamination in area of "Fenolka předčištění" (Phe- nol plant pre-treatment) and "Tankoviště" (Tapping station) in Pressure Gasworks premises in Ústí nad Labem. The pro- ject included demolition of contaminated water manage- ment workshops, phenol plant, tapping railway track and test tapping of individual kinds of coal tar. Follow-up acti- vities after removal of contaminated soil included soil-sani- tation drains building, backfilling with soil, landscaping and grassing.

Decontamination of Unsaturated Zone and Groundwater – Unit 32

ation:	Litvínov, former phenol production plant premises
Client: racter: ption:	UNIPETROL RPA s.r.o.
	AQUATEST a.s.
	Soil decontamination
	Removal of old environmental burden - contaminated soil and concrete structures exposed mainly to phenols and ground water contaminating oil substances.

cation:	Ležáky Most strip mine, cadastral territory Pařidla			
Client:	Palivový kombinát Ústí, státní podnik			
racter:	Landscaping, coal seam residues treatment			
iption:	Liquidation of spontaneous fire in the area of coal seam out- crop on the eastern slope of residual pit of Lažáky –Most strip mine, and securing long-term stability of the eastern slope of the mine at elevation of 192 to 255 m a.s.l.			

ation:	Area of Palivový kombinát Ústí, státní podnik – Chabařovice strip mine
Client:	Czech Republic – Ministry of Finance
racter:	Soil remediation, earth work
ption:	Remediation of emergency condition of Chabařovice strip mine residual pit - measures preventing land-slides on the northern slopes in localities below the steelworks and Roud- níky



Soils Reclamation



Loc

Cha Descri

Hornojiřetínská Dump

Loc Char Descri

Hippodrome Most – Site Preparation for a Show Jumping Hall

Loc Char Descri

Slope Protection – Chabařovice Lake

Loca







Ležáky – Most Strip Mine

cation:	Working district Most I, Ústí Region		
Client:	Palivový kombinát Ústí, státní podnik		
racter:	Soil reclamation and remediation		
iption:	Remediation of the Ležáky lake bottom – overlaying areas C1 and C2 thickness of 20 to 40 cm to ensure water tightness of the bottom structure - underlying clayey layers. Strengthe- ning of retention dams to hold specified amount of water for gradual flooding of Ležáky strip mine, including preparatory water management works. Total volume of transferred mate- rial and work on dams was 373 000 m3.		

cation:	Horní Jiřetín
Client:	National Property Fund Prague
racter:	Soil reclamation, earth work
iption:	Complete earth work for reclamation of the dump covering about 100 000 m3, PP sewerage system, construction of drain ditches made of wire mats, construction of drainage ribs, ge- neral reclamation.

cation:	Hippodrome Most			
Client:	Czech Republic – Ministry of Finance			
racter:	Soil decontamination and reclamation			
iption:	Soil decontamination and reclamation in the area of former brown-coal strip mine			
	Civil works included soil reclamation, sewerage system relay- ing, foundation base treatment, landscaping and earth work for the show jumping hall foundations, including continuous footing and reinforced concrete slab.			

ation:	Lom	Chaba	řovice
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- Client: VIAMONT a.s.
- Character: Soil reclamation
- Description: Slope protection and lining in scope of general reclamation of the former brown-coal strip mine residual pit, in the cour-se of which at least 180 thousand tons of stone and aggre-gate was used.

Demolitions







Forum Ústí nad Labem – Shopping and Entertainment Centre, TC 805

Location: Ústí nad Labem

Client: MultiVeste Czech Republic 6, s.r.o.

Character: Demolitions

Description: Complete demolition of the town market place. The contract also included co-ordination of design and construction works, land surveying, final landscaping, recycling of all concrete structures into aggregate suitable for road base in-situ and outside the demolition site. Load-bearing structural sys-tem of the building was made of heavy reinforced concre-te prefabricated framework. Completion of the demolition works was followed by drilling boreholes for archaeological survey, including coordination with archaeologists.

Demolition of Long-distance Belt Conveying System at Bílina

- Location: Municipality of Bílina
- Client: Severočeské doly a.s.
- Character: Dismantling and demolition
- Description: Demolition of reinforced concrete bridge for belt conveying at Bílina was performed by means of heavy demolishing machines applying technology of dismantling and cranes at the crossing of the bridge and road, water stream, utilities and railway corridor. It was a multifunction industrial bridge with conveyors placed along its sides; the central part served as a service road. Total length of the bridge was 1093 m (55 spans), width of 15.2 m and height of 10.0 m. Within the 1st phase 10 spans were removed.

Demolition of Buildings in Komořany Coal Treatment Plant Premises

- Location: Komořany Coal Treatment Plant Premises
- Client: Palivový kombinát Ústí, státní podnik
- Character: Earth work, demolitions
- Description: Removal of two neglected and unused industrial buildings in built-up area.

The demolition was carried out by gradual dismantling - manual stripping. Foundations of both buildings were demo-lished to 0.2 m under the terrain level, cellar spaces back-filled with rubble to 0.30 m, covered with top soil and grassed.

Forum Liberec – Shopping and Entertainment Centre, TC 200

- Location: Liberec
- Client: MultiVeste Czech Republic 9, s.r.o.

Character: Earth work

Description: Site preparation, earth work, crude landscaping, strutted sheeting, foundation pit excavation, pit excavation sloping, site levelling, compacting and testing of foundation bearing value, drainage system of foundation pit and other areas, water pumping, removal of existing paved areas and curbs, demolition of energy centre of former Tesco department store, and construction of new water supply DN100.

Civil Engineering Works

Olympia centre Teplice

Lo Ch Desc

Loc Char Descri

Shopping Centre PLZEŇ II

Loc

Forum Shopping Mall Liberec – Utilities and Road









ocation:	Teplice – Srbice
Client:	CONCORD INVEST, a.s.
aracter:	Civil engineering works and filling stations
ription:	General supply of earth work, exterior and interior utilities, foundations, retention walls and fuel filling station. Utilities included namely rainwater sewers with connections and sand and grease traps, retention tanks drainage, pipe pushing under the roads, waste water and grease sewerage, sand and grease traps and connection to the existing delivery pipeline, street lighting, gas pipeline and water supply connections, ex- tension of fire water supply and fire-cocks, electricity distribu- tion, internal sewerage system, etc.

Olympia Plzeň Shopping Centre

ation:	Plzeň - Cernice
Client:	Olympia Centre Plzeň s.r.o.
racter:	Earth work, civil engineering and filling stations
ption:	General supply of earth work, external utilities, roads, re- tention walls and fuel filling station. Civil engineering works include namely rainwater and waste water sewerage system, connection to the mains, sand and grease traps, drinking and fire water supply and ground fire-cocks, gas pipeline with co- nnections, street lighting, light and heavy current outdoor distribution. etc

ation:	Plzeň -	Černice

Client: MultiVeste Czech Republic 2, s.r.o.

Character: Earth work, utilities and roads

Description: General supply of earth work, utilities and roads for the new shopping centre in Plzeň

> The utilities include namely rainwater and waste water sewerage system with connections, water supply with connections, fire water supply, gas pipeline with connections, site lighting distribution system, weak current external distribution system, low voltage and high voltage external distribution system, parking areas drainage, sand and grease traps supply, etc.

- Location: Liberec city centre
- Client: BovisLendLease, a.s.
- Character: Relaying and connections of utilities in built-up area
- Description: New technical infrastructure built in scope of Forum Shopping Mall Liberec construction.

This project is directly linked to the existing Tesco hypermarket and parking garage. Relaying and connections of sewerage system, water supply, gas pipeline and low voltage electricity were carried out in connection with the existing and newly-built constructions also in adjoining Blažkova, Jánská and Náchodská Street.

Steel Structures Centre







Escalators Manufacture and surface treatment of escalators



Extractors Technological equipment for waste rubber processing



Prague Exhibition Area Bus Station Construction of a new bus station "Prague Exhibition Area"



Cement Silo Steel structure of the silo, including extractor



PD 704 Belt Conveyor Walkway Steel structure of belt conveyor walkway



Crusher Steel Structure Crusher steel structure



Modernization of Rear-end Pulley Station, width of 2200 mm Modernization of rear-end pulley station



Parts for T15 and T16 Manufacture and supply of belt conveyors' parts





Sleepers 5.6 m Repair of sleepers 5.6 m, including surface treatment



Supply of Diesel Unit for KU 800.18/K99 Manufacture and installation of a frame under the diesel unit



Belt Frame Manufacture and supply of parts for mines

Machining Centre



Repairs of Driving, Tensioning and Rear-end pulleys Repairs and manufacture of new parts



Repairs of Caterpillar Carriage Track Links Repairs and manufacture of new parts



Manufacture of Drive ´s Frames for ZPDH 6300.1-CZ Stacker Manufacture of drives´ frames



Manufacture of Driving and Rear-end Pulley Shaft Manufacture of new parts



Manufacture of Omega e 120 m Clutch – 3 pieces Manufacture of new parts



Manufacture of Parts for TV -300 Undercarriage Manufacture of new parts



Reconstruction of Rear-end Pulley Station of PD 520 Belt Reconstruction of belt conveyor PD 520



Extension of PD Y3 Belt Conveyor Manufacture of new parts



Renewal of D15 Crusher – Supply of ip 2 and 6 Refitting and manufacture of new parts for D15 crusher





Manufacture of Carrying Pulleys (30 pieces) for zd 2100 Manufacture of new parts



Manufacture of Drum Shafts (24 pieces) Manufacture of new parts



Pulleys and Drums for dpd 1800 mm belt conveyor Manufacture of new drums and pulleys

Machining Centre



Reduction of Fugitive Emission Particles Modernization of sorted coal loading



K2000 101 Refitting of controlled drives



PVZ 2500/303 Overhaul Manufacture of the undercarriage counterweights



PVZ 2500/303 Overhaul Manufacture of the undercarriage counterweights



Manufacture of Unloading Boom for 14 KU 300.30 Manufacture of a jig for the unloading boom



Manufacture of Unloading Boom for 14 KU 300.30 Unloading boom





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