





OUR CORE  
ACTIVITY IS  
SUPPLYING  
PRODUCTS FOR  
RAILWAY AND  
TRAM LINES.



## PRESENTATION OF THE COMPANY

ŽPSV s.r.o. based in Uherský Ostroh is a company with a tradition spanning more than six decades in the market of construction products, materials and services operating in the Czech Republic, and via its subsidiaries, in Slovakia and Bulgaria as well.

It is a traditional successful supplier of prefabricated concrete components for the construction industry, specialising primarily in transport (railways and road) engineering. A significant part of its output, however, is directed at building construction, civil engineering works, housing developments and environmentally friendly constructions as well as at the entire construction industry. The range of products and services on offer has been extended considerably over the course of years.

The company structure is currently composed of five manufacturing plants and one operation in the Czech Republic, one manufacturing plant in Slovakia, and one manufacturing plant in Bulgaria.

Since 28 June 2018, ŽPSV s.r.o. has been owned by German company Leonhard Moll AG, which is a traditional manufacturer of sleepers in Germany. It owns further plants that manufacture sleepers in Poland, Croatia, and England as well.



A photograph of a railway track curving into the distance. Overhead power lines and support structures are visible. A sign on the left reads '124 6'. The foreground shows the track bed with concrete sleepers and gravel.

124  
6



WE HAVE BEEN A TRADITIONAL  
SUPPLIER OF CONCRETE PRODUCTS  
FOR THE CONSTRUCTION INDUSTRY  
IN THE CZECH AND SLOVAK  
REPUBLICS FOR SEVERAL DECADES  
NOW.





## MANUFACTURING PLANTS

Doloplazy Plant

Uherský Ostroh Plant

Nové Hradý Plant

Čerčany Plant

Litice nad Orlicí Plant

Běstovice Operation

## FOREIGN INTERESTS

ŽPSV a.s. Čaňa

ŽPSV EOOD





SUPPLYING SLEEPERS FOR  
POINTS TO THE CZECH  
REPUBLIC AND ABROAD

## DOLOPLAZY PLANT

The plant's core programme involves the manufacture of B91S traverse railway sleepers of prestressed concrete with the application of Vossloh fastening systems and the manufacture of prestressed points sleepers for points manufactured by DT Prostějov, VAE, and Vossloh Cogifer.

A further programme of this plant consists of a broad range of prefabricated components for building railway constructions – various platform systems, drainage channels, cable troughs, covers etc. A part of the output is manufactured by vibration-assisted compaction on a Schlosser line – this includes various kinds of interlocking pavers, kerbs, trench blocks and so forth. Prefabricated components for the construction of projecting enclosed balconies, which are manufactured inclusive of concrete railings in a broad range of modifications, has comprised a significant part of the output in recent years. Also, the assortment has been expanded by the manufacture of noise barriers and adit segments.

## UHERSKÝ OSTROH PLANT

Uherský Ostroh is a second plant possessing production technology to manufacture railway sleepers. In addition to B91T type sleepers for corridor lines, the B03 type is also manufactured in this plant for lines that are not part of corridors, in further modifications also for city tram lines. A new line for the manufacture of the already mentioned B91T and BC 12 sleepers, which are intended for high-speed lines, was built here in 2015. The railway programme of this plant is also complemented by the manufacture of panels for PORR slab tracks. Moreover, drainage channels, elements for retaining and breast walls, road panels, paving panels, concrete safety barriers and further prefabricated components based on market demands are manufactured here. This plant produces prefabricated components for enclosed balconies and, to a considerable extent, noise barriers as well.





# SUPPLY OF SLAB TRACKS





## NOVÉ HRADY PLANT

This plant is a third plant where railway sleepers, namely of the B91S type, are manufactured. In addition, the plant focuses on manufacturing the assortment such as sewer manholes, pipe culverts, trench drains and blocks, railway platforms, prefabricated components for enclosed balconies and prefabricated components for building construction with the output being intended for the Czech and Austrian markets. It is also capable of manufacturing and supplying noise barriers.

## ČERČANY PLANT

After 2001, there was a gradual expansion of the assortment at ŽPSV significantly towards custom manufacturing – manufacture of load-bearing frameworks and envelopes for industrial facilities, commercial buildings, tenement houses, and for amusement centres. It is the Čerčany Plant that is one of those plants within ŽPSV that are equipped for and specialised in such manufacture. It has relatively modern equipment for this type of manufacture. It manufactures members for the abovementioned prefabricated frameworks (columns, trusses, purlins, girders, beams, outer wall panels, sandwich structures, filigree ceilings and virtually everything that is necessary for this kind of structures). The plant also manufactures components for system building (cubicles for transformer stations), the manufacture of road and railway weighbridges and noise barriers. Besides this assortment, the plant has also retained the manufacture of elements for the construction of railway lines such as platforms, Brens crossings etc.

## LITICE NAD ORLICÍ PLANT

This plant was not part of the original structure of ŽPSV and was purchased only in 2001. The principal part of this plant is the actual prefabrication facility. This plant has had a long tradition of producing prestressed concrete, which it pioneered to a considerable extent within the entire Czech Republic. As for the production programme, this plant is again orientated to custom manufacturing (mainly frameworks) but it is prestressed structures (both pre-tensioned and post-tensioned) that comprise a significant addition, and they are used in bridge structures and large-span trusses. As ŽPSV not only manufactures but also assembles the abovementioned structures (frameworks, bridges, noise barriers), it has set up an assembly group for this purpose, which is organisationally incorporated into this plant. Furthermore, the plant produces a complete range of frame culverts, railway platform elements, noise barriers and safety barriers.



# SUPPLY OF PREFABRICATED STRUCTURES FOR BUILDING CONSTRUCTION INCLUDING ASSEMBLY





## BĚSTOVICE OPERATION

The Běstovice Operation is organisationally subordinated, given its size and nature of production, to the Litice Plant. The tradition of this facility lies in the manufacture of vibro-compacted goods for railway and road construction projects (trench blocks, platform elements) and in the manufacture of small prefabricated components for railway signage, nowadays often using the SCC technology. However, the overall programme is substantially broader and includes a wide range of other prefabricated components (prefabricated components for wire transmission, drainage channels, panels, box parts etc). Considering its location and the level of competitors in the surroundings, the sale of mixed-in-transit concrete is meaningful in this facility as well.

## HEADQUARTERS

The manufacturing activities of the above plants is coordinated, organised, managed and controlled from the level of the company headquarters, which is based in Uherský Ostroh. Furthermore, the company headquarters provide service through its specialist units (engineering office, design department, economic section, OHS, environmental protection, power engineering, IT, legal services, accredited testing laboratory etc), creates the core strategy, deals with public authorities, inspection bodies and is in charge of the overall running of the company within a legal framework.

Participation in professional societies and associations, in both cooperative and company's own research and development, in grants, collaborations with universities, research institutions, design organisations, SŽDC and many other professional organisations takes place from the level of the headquarters as well.

ŽPSV s.r.o. is a strong company and one of the leading enterprises in its field in the Czech Republic. The company has been continuously looking to find its place in the other European and global markets. That is why the company concentrates on supplying prefabricated components to the neighbouring states such as Austria, Slovak Republic, Slovenia, Bulgaria, Serbia, Norway and Turkey.



WE TAKE PART IN REDUCING  
NOISE POLLUTION BY  
DEVELOPING OUR OWN  
PRODUCTS





## FOREIGN INTEREST

ŽPSV s.r.o. is a majority shareholder in two foreign subsidiaries.

### ŽPSV a.s. ČAŇA

This company manufactures and supplies a similar production range as the parent ŽPSV but in Slovakia. The specific feature concerning its assortment involves only manufacturing railway sleepers for broad-gauge lines. The plant is situated about 20 km from Košice.

### ŽPSV EOOD

Our company has one manufacturing plant in Bulgaria, namely in Parvomai.

## INTEGRATED MANAGEMENT SYSTEM

The company has implemented an integrated management system (IMS) and had it certified pursuant to ČSN EN ISO 9001:2016, ČSN EN ISO 14001:2016 and ČSN OHSAS 18001:2008. The certification covers the design, manufacture and supply of railway sleepers, reinforced-concrete prefabricated components, fresh concrete and assembling. The company's basic commitments are defined by its IMS Policy. The IMS is directly embodied in the structure of our joint-stock company. The organisation rules firmly sets out duties and authorities of the units in order that the requirements for quality assurance, environmental protection and occupational safety are guaranteed.

## CONFORMITY ASSESSMENT

The conformity assessment of our products is governed by Act 22/1997 Coll., on technical requirements for products (as amended), Government Regulation 163/2002 Coll. (as amended) and Regulation (EU) of the European Parliament and of the Council No. 305/2011, laying down technical requirements for construction products. When assessing the conformity of traverse sleepers, we proceed pursuant to Directive 2008/57/EC, on the interoperability of the rail system, and applicable technical specifications (TSI). ŽPSV issues a declaration of conformity or, where appropriate, declaration of performance for defined construction products.

## ACCREDITED TESTING LABORATORY

In order to ensure objective, impartial and credible conformity assessment of the quality of products, the Company runs a testing laboratory (AZL), which has been accredited by the Czech Accreditation Institute based on assessing the fulfilment of the accreditation criteria under ČSN EN ISO/IEC 17025:2018. The accreditation has been possessed by the Company since 3 August 1993 for a broad range of testing of cements, aggregates, steels, concretes and products.

## TESTING AT PLANTS

A plant testing room – laboratory has been set up at each manufacturing plant and it is staffed and equipped with instrumentation to carry out basic tests of input materials for the production of fresh concrete, in-process and final inspection of both concrete and products. AZL staff manage, from a technical and methodological point of view, the activities of workers of the plant testing rooms – laboratories in accordance with the requirements of particular standards. The plant testing rooms are supervised by ASPK Brno for deliveries to ŘSD as well as by the inspection body TZUS Teplice, TZUS Brno (conformity assessment) and by delegated workers of TÚDC SŽDC for deliveries of railway sleepers.



# CONTACTS

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