

R425

Technical Museum in Brno

invites you to the visit of its technical monuments



Water Mill in Slup

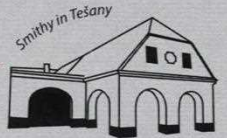


City Public Traffic in Brno-Líšeň



City Public Traffic in Brno-Líšeň

Smithy in Těšany



Heavy Fortified Installation Šatov



Wind Mill in Kuželov

Water Mill in Slup

listed national cultural monument

Address: Slup 94, Znojmo district, 671 28 Jaroslavice
Phone: +420 515 235 370
e-mail: slup@technicalmuseum.cz
Open: April–October, Tuesday–Sunday and on national holidays, 9 AM–5 PM, at another time only by request

Locations: 15 kms southeast of Znojmo

History: The first account on the miller in Slup is verified to the year 1512 /1302. In the time period of the 16th till 18th centuries the mill in Slup was one of the largest mills in Moravia and belonged to the most significant and architecturally most remarkable objects of this kind. In the years 1810–1945 it was the free property of miller families. In the year 1970 it became state possession. In the years 1981–1983 it has been adapted by the Technical Museum in Brno to the exhibition and opened for public.

Exterior: Remarkable renaissance building of the large mill with four functional water wheels and the mill race.

Interior: The view of the mill begins in the former living rooms with the exhibition of the development of milling technology. It makes clear the history of cereal processing from the beginning to the modern milling large-scale production, informs of the history of the river basin of Dyje and shows the history of the mill itself. The oldest technology of cereal processing is demonstrated on the exhibited stone crushers of various primeval cultures. The exhibition shows the invention of two rotating mill stones and draws attention to the beginnings of water mills in our country. The culmination of the visit occurs in the mill's rooms where four complete production systems are installed: Old Czech milling unit, milling unit for miller grinding, American milling unit and roller (periodic) milling unit. The visitor can see them all in showing operation and follow the whole cereal processing.

Matter of interest: The mill race has been created in the beginning of the 14th century and has been taken as far as to the Austrian town Laa an der Thaya.



City Public Traffic in Brno-Líšeň

depository on view



Address: Holzova 4, 628 00 Brno-Líšeň
Phone: +420 541 421 480
Open: May-June, September-October, only by request

Location: The depository on view is situated in the city district of Brno-Líšeň, east of the city centre, in the area of a former local railway station.

History: In the year 1971 Technical Museum in Brno took possession of 12 functional historical trams from the „Transport Enterprise of Brno”. These cars have created the foundations of the city public traffic collection. The museum exhibition has been built up on the unused area of the railway station of the former railway Brno-Líšeň. To this area there belongs a part of the original railway line between the place called Stránská skála and Líšeň as well. Early works were launched in the year 1973. The exhibition is being built stage by stage up to the present. This activity will culminate by the reconstruction of the railway line to Stránská skála, which will make possible demonstration journeys of the individual vehicles.

The exhibition's dominant part consists in an almost complete collection of Brno's trams, and there are also other trams from different towns in former Czechoslovakia, as well as buses and trolleybuses.

Exterior: The area spreads over the surface of more than 1.5 ha (15.000 m²). It also includes a part of the original railway Stránská skála-Líšeň.

Interior: In the halls the collection of 80 vehicles of three railway gauges and of all types of tractions is exhibited. Most of vehicles have been repaired and are now in functional stage and can be used in exhibition tours. The collection is the document of various

technical and service designs from the beginning of the city traffic up to the present. The main part of the exhibition is the collection of almost complete development row of tram vehicles of Brno. In addition to it the visitor can see here trams, buses and trolleybuses of various cities of Czechoslovakia.

Matter if interests: Besides the vehicles for passenger traffic also interesting vehicles for goods transport, often used in the past, as well as vehicles of suburban railway can be find here. Vehicles for technical and subsidiary services are interesting as well.



Smithy in Těšany

listed cultural monument



Address: Brno-venkov district, 664 54 Těšany
Phone: +420 544 248 713
Open: April-October, on Saturdays,
Sundays and national holidays,
9 AM-5 PM, at another time only by request

Location: On the village green in Těšany, southeast of Brno.

History: Smithy in Těšany was the constituent part of the authority yard that was mentioned already in the year 1377. Today's appearance was given to the reconstruction in the year 1700. In the first half of the 1970's the building has been renewed and its rooms have been adapted for the exhibitions. The smithy has passed in the conduct of the Technical Museum in Brno and is in its care up to the present.

Exterior: One-storeyed building with four wings in the style of country baroque, with the vestibule and the small garden.

Interior: The inner rooms of the house are used for the smithery and cartwrighting exhibitions with the corresponding country interior. The core of the exhibition is represented by the smithy, the implementation and arrangement of which accords to the second half of the 19th century. In consists of the two fireplace furnace with two original bellows, the wide open chimney, the hammer anvil and the work table. The interior is completed by smith tools. In the farming buildings there are displayed larger smith products: harrows, ploughs, parts of farm coach vehicles and smaller products of „light smithcraft”.

In the older wing of the house the cartwright's workshop is installed. It shows basic technologies, typical cartwright's work and tools representing this disappearing handicraft. The most typical cartwright's work – wheel manufacturing – is shown here in individual production phases.

Matter if interests: The finish of the exhibition illustrates the smith's habitation equipped with the contemporary furniture, dishes and other household implements.



Old Iron Works by Adamov

listed cultural monument situated in a conservation area

Address: Blansko district, 679 04 Adamov
Phone: +420 516 446 671
Open: April–October, Tuesday–Sunday
and on national holidays always 9 AM–5 PM,
at another time only by request

Location: In the Josefské údolí (Joseph's Valley) at Křtinský potok (Křtiny Brook), about 3 kms east of Adamov.

History: The structures of Stará huť (Old Iron Works) are the survivals of the metallurgical complex built here by the prince Jan Adam of Lichtenstein. The blast furnace was built up in the year 1746. At the end of the 18th century it was rebuilt. The works were aimed at army production. But at the end of the 19th century they were closed by reason of profitableness. In the year 1971 the reconstruction of the complex has been launched. Later on the buildings have been taken over by the Technical Museum in Brno. After finishing the reconstruction in 1984 the exhibition has been opened here.

Exterior: The historical monument of the national reserve Stará huť is situated on the area almost 12 hectares (120 000 m²). The view point of the complex is the high charcoal blast furnace, the structure of which has the base 12 x 12 m and reaches the height of 10 m. The exhibition is completed by two smaller furnaces for lime burning, by the ramps, the building of the former pattern shop called „Kameňák” and by dwelling house.

Interior: In the building of the former pattern shop the exhibition of „Ferrous Metallurgy” of the central part of the Moravian Karst is installed. The beginnings of the ferrous metallurgy are displayed in the ground-floor of the building. The first floor demonstrates high furnaces having been built in the Moravian Karst since the mid 17th century. Special attention is paid here to the complex of the old iron works and its operation. Various models, many of them movable, samples of local ores, cast iron products etc. are displayed here too.

Matter of interest: The Moravian Karst is romantic karst and cave region northwards of Brno. In its central part the road Adamov–Křtiny there is running the picturesque Josef's valley with steep rock walls and with many karst formations. The most known is the cave Býčí skála (Bull's Rock).

In the Old Iron Works experimental smeltings in the imitated Slavic iron furnaces found here on more than 15 localities are being carried out. At present the museum of small iron furnaces in the open air in this technical monument is being built.



Heavy Fortified Installation in Šatov

Address: Šatov, jiri.spin@volny.cz
Phone: +420 602 265 150
Open: May, June, September and October on Saturdays,
Sundays and national holidays,
July–August, Tuesday–Sunday,
always 9 AM–5 PM, at another time only by request

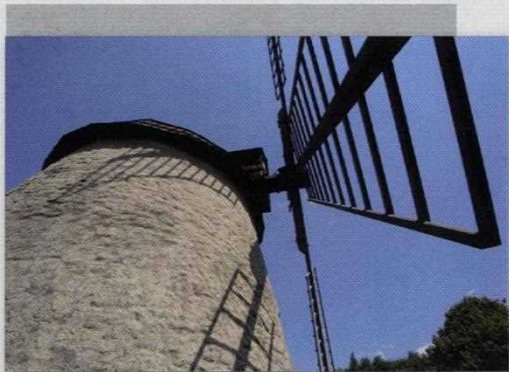
Location: 10 kms southwest of Znojmo

History: The infantry block „ZÁHRADA” (Garden) belongs to the six heavy fortified installations in South Moravia. Three of them are at Šatov, two in the vicinity of Hevlin and the last one at Mikulov. In August 1938 the concrete construction was done by the firm Konstruktiva from Prague. The used amount of concrete was 1450 m³; the strength of the walls is up to 225 cm. The roof is 200 cm strong and should stand direct artillery hits of calibre 240 mm. There was no chance to complete it until September 1938. During the so-called „Sudeten Crisis” it was logically neither equipped nor manned. Then in the year 1948 the block was structurally repaired and in 1949 the newly manufactured armed cupolas were built in. In 1951 the block was partially equipped by the Czechoslovakian army, and in 1960 it was armed with two new casemate guns 85 mm, model 44/59. Even in the 90s of the last century a special unit of the army used during its training original parts of the fortification equipment from the 30s of the last century as for example weapon mountings, machine guns, embrasure locks, equipment of the cupolas etc.

Interior: The scheduled armament should consist of the following weapons: two anti-tank guns 47 mm combined with two heavy machine guns, two heavy twin-machine guns and six light machine guns. During the German occupation the embrasures of the main weapons were torn out and taken away, but no further damage happened to the installation.

Matter of interests: In 1938 the garrison of the block was considered to be 35 soldiers, in the years from 1960 to 1999 (when the Czech army definitely abandoned the block) 28 soldiers were scheduled.





Wind Mill in Kuželov

listed cultural monument

Address: Kuželov 156, Hodonín district, 696 73 Hrubá Vrbka
Phone: +420 518 329 795
Open: April–October, Tuesday–Sunday and on national holidays, 9 AM–5 PM, at another time only by request

Location: On the unwooded ridge of the mountain chain Bílé Karpaty, southeast of the village Kuželov and southwest of the Town Velká nad Veličkou.

History: The wind mill in Kuželov is one of a few wind mills preserved up to this day. It is the representative of the so called Dutch mills with the rotating roof. Presumably it has been built in the year 1842 and served more than one hundred years to the farmers of the villages Kuželov, Hrubá Vrbka and further settlements. In 1946 its activity has come to the end definitively. In the year 1973 the mill has passed on the conduct of the Technical Museum in Brno, that performed the reconstruction and renovation of it. The mill has been put in demonstration operating stage like a museum exhibit being the document of wind mills epoch in our country.

Exterior: The whole technical monument is in original milieu with nearly preserved original architecture. The mill is the stone building of conical shape that carries the roof with the shingled roofing. The roof can freely turned around the vertical axis of the mill so as to position the wind wheel facing the wind. The wind wheel consists of four wings attached to the end of the main shaft. Beside the mill one-storeyed farm buildings are situated.

Interior: Original technical equipment and mechanism are placed in three floors of the mill – the large cog wheel and the smaller pin wheel in the screening mechanism

in the ground floor. The machinery is the document of the technologic system called „Czech Milling device”. The fundamental part of the grinding mechanism consists of two mill stones. The top revolving stone called runner can be lifted and thus the gap between the stones can be changed according to the grinding process. In the ground floor there is the masonry stove for bread making. Two doors make possible the entrance into the ground floor, when the wind wheel revolves in front of one of them. In the adjacent dwelling and farm buildings the exhibition of the typical regional habitation and small-scale farming on the end of the 19th and beginning of the 20th century has been installed. A set of farming tools being here displayed is the document of the traditional farm production process. The exhibition also shows various tools used by the miller for the maintenance of the mill machinery.

Matter of interest: In the 19th century there existed 915 wind mills in Czech countries. Most of them (682) worked in Moravia. The wind mills in Klobouky near Brno, in Choltice and Hlavnice at the city Opava, the wind mills in Rožnova p. R., Štípa at Zlín and in Velké Těšany at the city Kroměříž belong to the most known buildings of this kind.

Technical Museum in Brno

Exhibitions

- Historical Stereovision
- Steam Engines
- Water Engines
- Historical Engines
- Time Above and Around us
- History of Aviation
- Cutlery
- Metallurgy
- Casting
- From Tom-toms to the Internet
- Culture of the Blind
- Salon of Mechanical Music
- Lane of Trades
- Experimentarium – Playroom for Children and Adults



Opening times:
tue–sun 9 AM–5 PM

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info@technicalmuseum.cz



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Technické muzeum v Brně KNIHOVNA	
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