



BKV Railway Vehicle Repair and Service Ltd.

Production of railway switches and crossings

BKV Railway Vehicle Repair and Service Ltd.

Site size: **76.000 m²**, of which **25.912 m²** is built-up

Workshop size: **18.880 m²**

Main activities:

- Railway vehicle repair
- Manufacturing of railway components
- Manufacturing of metal industry components



BKV Railway Vehicle Repair and Service Ltd.

Tanúsítványok:

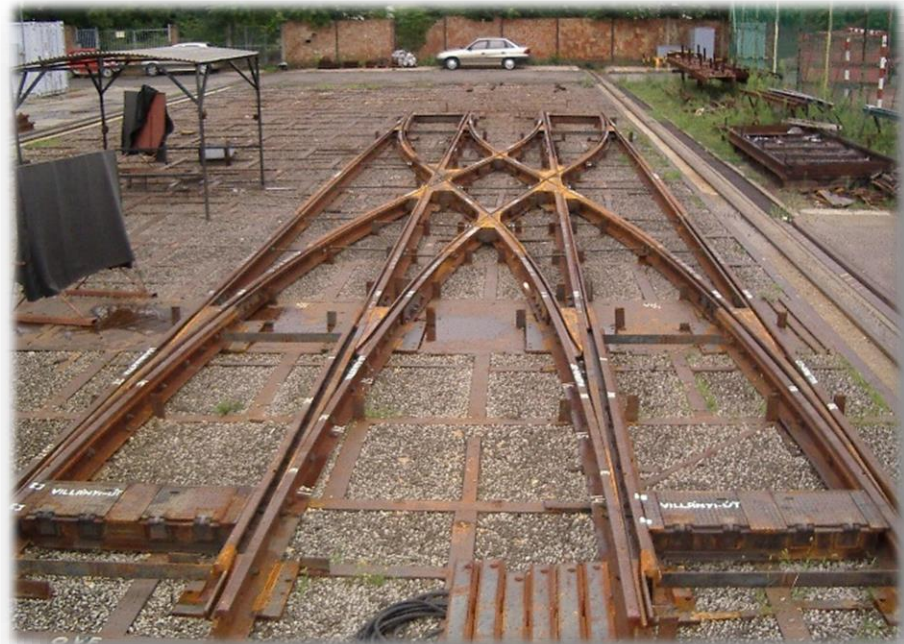
- MSZ EN ISO 9001
- MSZ EN ISO 14001
- DIN EN 15085-2 (welding)
- DIN EN ISO 3834-2: 2021 (welding)
- EN 1090-2: 2018 (steel structure construction)
- compliance with regulations of 24/2016 NFM
- DIN 6701-2: 2015 (bonding)
- ECM 2019/779 (technical permit)
- DeBo product certification for tramway infrastructure components




Manufacturing of tramway turnouts

COMPLETE WORKFLOW:

- DESIGN
- MANUFACTURING
- CONSTRUCTION



Production according to national standards.

Manufacturing of tramway turnouts

■ CONSTRUCTION

- based on own plans
- based on customer's plans
- with the involvement of a subcontractor
- Using different brands of point machine - *according to customer's request*



Manufacturing of tramway turnouts

OUR OWN DEVELOPED AND MANUFACTURED PRODUCTS

- Grooved rail turnouts and crossings
- Vignol rail turnouts and crossings
- Turnouts and racks for cogwheel railway
- Grooved rail dilatations



Manufacturing of tramway turnouts

USED MACHINE TYPES:

- TOS FRT 16-60 gantry milling machine
- HD 12/5/6000 planer
- WUZHONG W103 milling machine
- Rail bender, rail drill, rail saw



OWN DEVELOPED AND MANUFACTURED VIGNOL TURNOUT FAMILY

49 XVII turnout – (Budapest, Tram line No. 37)



OWN DEVELOPED AND MANUFACTURED VIGNOL TURNOUT FAMILY

49-100/100e turnout (Budapest, Tram line No. 2, with the "Whispering" crossing)



OWN DEVELOPED AND MANUFACTURED

VIGNOL TURNOUT FAMILY

49-50/25 turnout (Budapest, Tram line No. 56, with the "Whispering" crossing)



OWN DESIGNED AND MANUFACTURED RAIL DILATION

DA-120 and BLC-120 dilatation (Budapest, Liberty Bridge)



OWN DESIGNED AND MANUFACTURED RACK FOR COGWHEEL RAILWAY

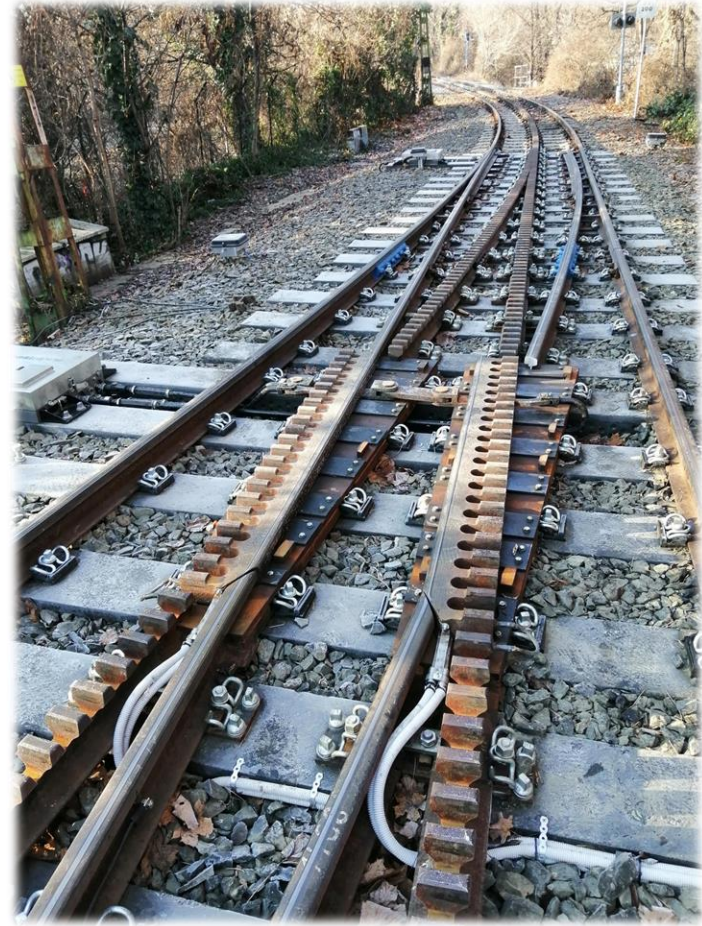
NEW RACKS:

- Replacing the old rack system
- KP100 rail profile
- Longer racks: 4,5 m → 9 m
- For the Budapest Cogwheel Railway (Manufactured **3432 m** rack)



OWN DESIGNED AND MANUFACTURED COGWHEEL RAILWAY TURNOUT

F49-100/100e cogwheel railway turnout (Budapest, Városmajor Ststion)



OWN DESIGNED AND MANUFACTURED GROOVED RAIL TURNOUTS

Reconstruction of the Zugló depot – (Budapest)



OWN DESIGNED AND MANUFACTURED PH SYSTEM TURNOUT FAMILY

Tram line 1 : prototype K2034 - A2012 ph turnout + crossing



THANK YOU FOR YOUR ATTENTION!



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