# National Railway Program - the largest railway support program in Poland's history

Railways in Poland

29 grudnia 2020, Bydgoszcz

The National Railway Programme was adopted in September 2015 and its investment projects will continue until 2023. The main objective of the programme is to strengthen the role of railway transport in the integrated transport system of Poland by creating a coherent and modern network of railway lines. It follows directly from the provisions of the "Transport Development Strategy until 2020 with a perspective until 2030" to the extent regarding railway transport.

# **Financing**

NRP assumes the maximum utilisation of EU funds on financing the projects under: Operational Programme Infrastructure and Environment (OPIE) for 2014-2020, Connecting Europe Facility (CEF), Operational Programme Eastern Poland (OPEP) for 2014-2020 and Regional Operational Programmes (ROP) for 2014-2020. Under the National Railway Programme, Poland will spend nearly PLN 76 billion on railway investment. Expenditure planned in addition to EU funds includes national public funds (from the state budget), own resources of the company and money from the issue of bonds. A significant source of expenditure financing is also borrowings from the European Investment Bank (EIB).

## **Assumptions**

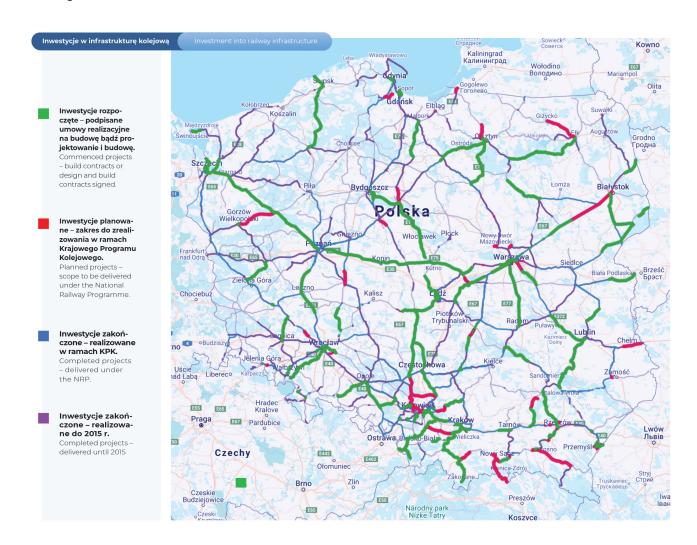
PKP PLK assumes continued modernisation and revitalisation of the existing railway network, including fast railway connections between the largest cities. The assumed transport speed will be 160 km/h for passenger connections and 120 km/h for freight trains. NRP is a considerable improvement to railway traffic in urban areas, enhanced travelling standard on regional routes and better goods transport conditions. The attractiveness of railways will be reinforced by a coherent railway network with higher speeds ensuring reduced travelling time in all regions, in interregional traffic and competitive freight transport, including between Silesia and sea ports such as the Tri-City, Szczecin and Świnoujście.

Thanks to newly built and reconstructed existing railway stops and the integration of railway and city transport, trains have become competitive to cars. Passengers can combine travelling by train, tramway, bus and metro. Thanks to additional tracks, facilities and modern equipment travelling time can be reduced and the number of trains can be increased. New transfer hubs and comfortable transport junctions are under construction, for example in Kraków, Warsaw and Gorzów Wielkopolski.

# **Travelling comfort**

Travelling by rail begins on a comfortable railway station and stop. To this end, the existing facilities are under reconstruction and new ones are under construction throughout Poland. Sucha Beskidzka Zamek, Wólka Orłowska, Gorzów Wielkopolski Wschodni – these are new stops already used by passengers in Lesser Poland, Lublin region and Lubusz region. More stops are under construction, for instance in Warsaw, in Lower Silesia and in Lublin region. They will be available to everyone, equipped with roofs and seats, modern public announcement system and clear signage. A monitoring

system will additionally increase safety. The modernisation of railway stations will also improve access. Platforms and underpasses are equipped with lifts and ramps and the signage is better and clearer. Thanks to this people with limited mobility, accompanied by children and carrying heavy luggage can reach the train easier. Guiding paths, touchable safety belts, railings and lifts with Braille markings facilitate passengers with poor sight and blind people moving around the station, reaching the ticket office and the train.



## **Facilitated transport**

In the following years changes on railway lines will also improve freight transport standard. Modernised tracks will increase travelling speed for trains carrying coal, road construction aggregate materials, and container trains. New and reconstructed bridges and viaducts will gradually make the transport route smoother, free of speed limits and compensatory stops for instance for heavy trains. Better equipped stations with additional tracks guarantee efficient freight train service and timely arrivals and departures of urban transport and long-distance trains. Well-planned railway lines, modernised according to the environmental protection requirements, make railway a sustainable means of transport. Thanks to the use of special materials and erection of sound screens, new railway tracks reduce the noise cause by passing trains. Tracks are often a barrier to wild animals, so in order to avoid this, special animal crossings, so-called eco-ducts, are built above the tracks and migration routes are maintained next to bridges and culverts. Local control centres (LCS), equipped with computer systems and modern equipment, increase the efficiency and safety of traffic for a larger number of trains on the modernised lines. New turnouts are mounted – these are the elements of tracks ensuring smooth passage of trains through stations. The level of safety in railway and road traffic increases thanks to newly built railway crossings,

underpasses and overpasses and a growing number of monitored road and tracks junctions equipped with crossing gates and signalling systems.

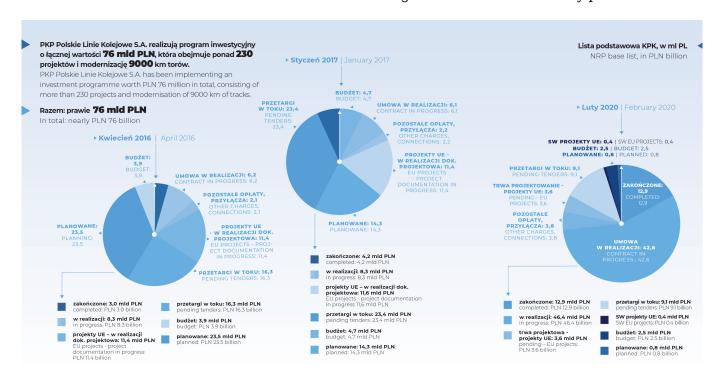
#### **New directions**

The National Railway Programme opens new travelling directions. Investments increasing railway network capabilities ensure fast access to locations and regions that are attractive to tourists. Rail links constructed in Kraków and Sucha Beskidzka and modernisation of the railway line to Zakopane gradually reduce the time of travel to Podhale and to the capital city of the Tatra Mountains. A modernised route between Tarnów and Muszyna will make travelling to the Beskid Mountains faster and more comfortable. In Lower Silesia we can comfortably travel from Wrocław to the Karkonosze Mountains in a short time. The effects of works on the Szczecinek-Ustka line encourage travelling by rail to the seaside.

Year 2019 was one of the most dynamic periods in the performance of the key NRP. The infrastructure manager intensified its activities both in connection with concluding new contracts, commencing construction works and accepting completed projects from contractors. The task completion scale was unique:

- NRP completion value was PLN 9.4 billion
- 1729 km of tracks were modernised
- 322 platforms were modernised
- approx. 1231 turnouts were built.

Construction works covered most of the territory of Poland and were especially intense in the south of Poland, in Masovia, Greater Poland and in West Pomeranian voivodeship. The investment projects not only lead to improvement of the operating parameters of railway lines such as maximum speed or permissible axle load. The modernisations to a large extent ensure compliance with the essential interoperability requirements specified in the TSI for subsystem 8. Intensive investment works entail a number of challenges related to maintaining the speed of the works, access to construction materials and economic and business conditions affecting contract value and timely performance.



Under the Investment Plan for 2018 more than 200 investment projects were adopted for completion. The most significant group were projects financed from the CEF and OPIE. The value of the completed plan exceeded PLN 9 billion. The objective scope of respective investment projects carried out by PKP PLK consists of comprehensive refurbishment of railway tracks, railway traffic control equipment and electrical power systems (catenary and other), as well as modernisation of one-level railway and road crossings and replacing them with two-level crossings. Under the plan, the railway network managed by PKP PLK, was covered by investment works including in particular modernisation, revitalisation or construction of, for instance, 1267.9 km of tracks, 380 crossings and 113 railway and road overpasses.

In 2019 the amount allocated to investment was PLN 10.5 billion:

- 330 modernised platforms
- 1250 km of refurbished and new traction network
- 700 modernised railway and road crossings
- 1400 km of modernised tracks
- 1250 refurbished turnouts
- 140 modernised overpasses
- 150 modernised railway bridges.

# Realizacje inwestycyjne w poszczególnych województwach:

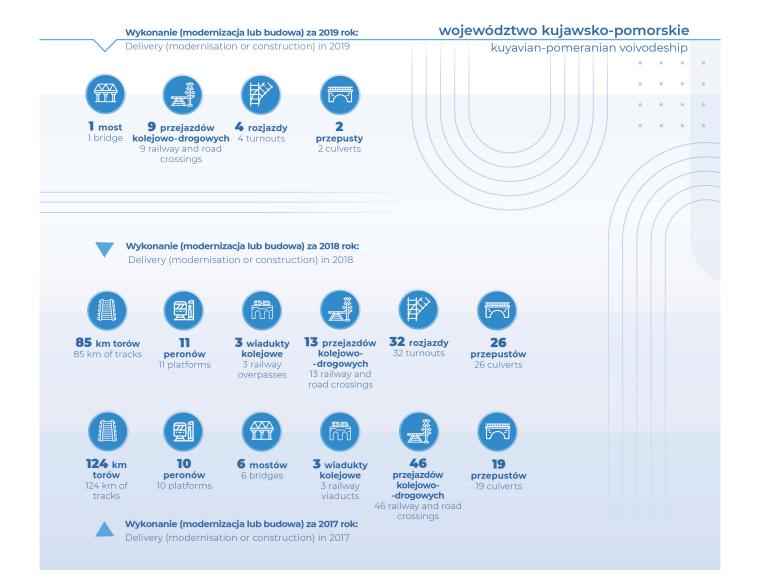
## LOWER SILESIAN VOIVODESHIP

In Lower Silesian voivodeship 1749.69 km of railway lines are in use, accounting for about 9.5% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 1046.32 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 27 investment projects will be completed in Lower Silesian voivodeship by 2023 and their total value will be about PLN 2 billion.

Delivery (modernisation or construction) in 2019 lower silesian voivodeship 33 51 km torów 8 mostów 13 wiaduktów 7 wiaduktów 45 przejazdów 40 rozjazdów 2 przejścia 40 turnouts perony 8 bridges kolejowych drogowych kolejowopod torami 33 platforms 13 railway 7 road -drogowych railwav overpasses 45 railway and road underpasses overpasses 1 kładka dla przepustów pieszych Wykonanie (modernizacja lub budowa) za 2018 rok: 1 footbridge Delivery (modernisation or construction) in 2018 78 km torów 13 17 60 1 kładka dla 3 mosty 36 przejazdów 59 78 km of tracks peronów 3 bridges wiaduktów kolejoworozjazdów przepustów pieszych 13 platforms kolejowych -drogowych 1 footbridge 36 railway and road crossings viaductš 23 km torów 3 mosty 2 przejazdy 2 przejścia peronów kolejowo-drogowe pod torami przepustów 3 bridges 2 railway 2 railway and road Wykonanie (modernizacja lub budowa) za 2017 rok: Delivery (modernisation or construction) in 2017

#### KUYAVIAN-POMERANIAN VOIVODESHIP

In Kuyavian-Pomeranian voivodeship 1199.41 km of railway lines are in use, accounting for about 6.5% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 839.86 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 18 investment projects will be completed in Kuyavian-Pomeranian voivodeship by 2023 and their total value will be about PLN 1.5 billion.



#### LUBLIN VOIVODESHIP

In Lublin voivodeship 924.19 km of railway lines are in use, accounting for about 5% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 480.81 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 14 investment projects will be completed in Lublin voivodeship by 2023 and their total value will be about PLN 3 billion.

lublin voivodeship

Delivery (modernisation or construction) in 2019



tracks



perony

32 platforms



11 bridges



kolejowych

viaducts

37 przejazdów kolejowo--drogowych

37 railway and

road crossings



rozjazdów 212 turnouts

Wykonanie (modernizacja lub budowa) za 2018 rok: Delivery (modernisation or construction) in 2018



9 przejść pod torami 9 railway underpasses



przepustów







12 mostów



1 railway







1 przejście

pod torami

1 railway

underpasses



26 przepustów 26 culverts



71 km of tracks

67 km torów



peron

peronów

13 platforms





6 bridges







4 railway and road

31 przejazdów koleiowo--drogowych 31 railway and road



14 turnouts

przepusty





Wykonanie (modernizacja lub budowa) za 2017 rok: Delivery (modernisation or construction) in 2017

## LUBUSZ VOIVODESHIP

In Lubusz voivodeship 889.64 km of railway lines are in use, accounting for about 5% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 642.97 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 11 investment projects will be completed in Lubusz voivodeship by 2023 and their total value will be about PLN 0.5 billion.

lubusz voivodeship



## ŁÓDŹ VOIVODESHIP

In Łódź voivodeship 1080.25 km of railway lines are in use, accounting for about 6% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 889.76 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 25 investment projects will be completed in Łódź voivodeship by 2023 and their total value will be about PLN 5.5 billion.

łódź voivodeship

122 km torów 13 mostów 6 wiaduktów 1 wiadukt 27 przejazdów 4 przejścia 122 km of tracks peronów pod torami kolejowych drogowy kolejoworozjazdów przepusty 13 bridges -drogowych 14 platforms 4 railway 1 railway 44 culverts 6 railway 160 turnouts 27 railway and overpasses overpass underpasses road crossings 1 km ekranów Wykonanie (modernizacja lub budowa) za 2018 rok: akustycznych 1 km of noise Delivery (modernisation or construction) in 2018 barriers 25 km torów 5 mostów 3 wiadukty 2 przejazdyprzepustów perony kolejowe koleioworozjazdów 25 km of 5 bridges -drogowe 4 platforms 3 railway 25 turnouts 9 culverts tracks 2 railway and viaducts road crossings 35 km torów 1 most 3 wiadukty 2 przejścia 35 km of tracks perony kolejowe pod torami przepustów 2 platforms 3 railway 2 railway 5 culverts viaducts underpasses i Wykonanie (modernizacja lub budowa) za 2017 rok: Delivery (modernisation or construction) in 2017

#### LESSER POLAND VOIVODESHIP

In Lesser Poland voivodeship 989.13 km of railway lines are in use, accounting for about 5% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 812.03 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 26 investment projects will be completed in Lesser Poland voivodeship by 2023 and their total value will be about PLN 7.5 billion.

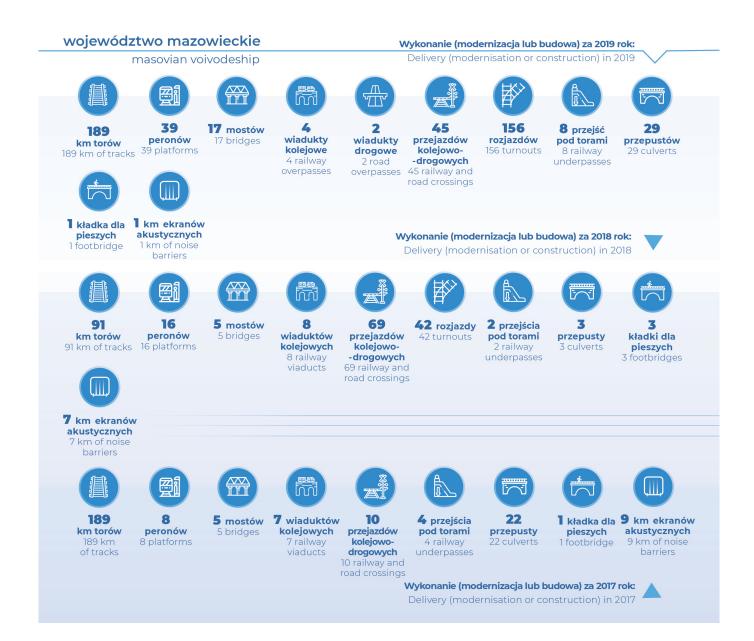
Delivery (modernisation or construction) in 2019

lesser poland voivodeship



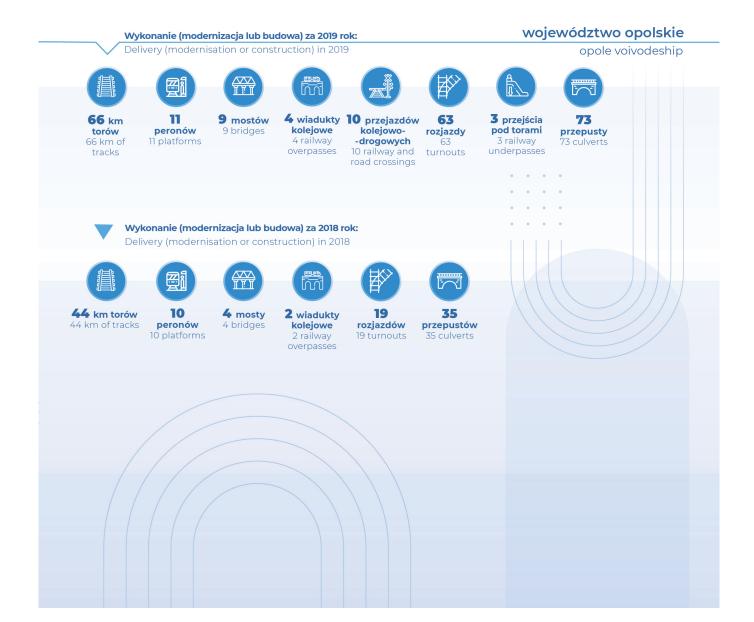
#### MASOVIAN VOIVODESHIP

In Masovian voivodeship 1676.47 km of railway lines are in use, accounting for about 9% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 1372.08 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 34 investment projects will be completed in Masovian voivodeship by 2023 and their total value will be about PLN 8 billion.



## OPOLE VOIVODESHIP

In Opole voivodeship 766.12 km of railway lines are in use, accounting for about 4% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 474.99 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 14 investment projects will be completed in Opole voivodeship by 2023 and their total value will be about PLN 0.5 billion.



## SUBCARPATHIAN VOIVODESHIP

In Subcarpathian voivodeship 894.83 km of railway lines are in use, accounting for about 5% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 390.49 km. Pursuant to the National Railway Programme, updated in July 2016, it is expected that 21 investment projects will be completed in Subcarpathian voivodeship by 2023 and their total value will be about PLN 1.5 billion.

subcarpathian voivodeship

Delivery (modernisation or construction) in 2019



# PODLASKIE VOIVODESHIP

In Podlaskie voivodeship 653.64 km of railway lines are in use, accounting for about 3.5% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 436.52 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 16 investment projects will be completed in Masovian voivodeship by 2023 and their total value will be about PLN 2.5 billion.

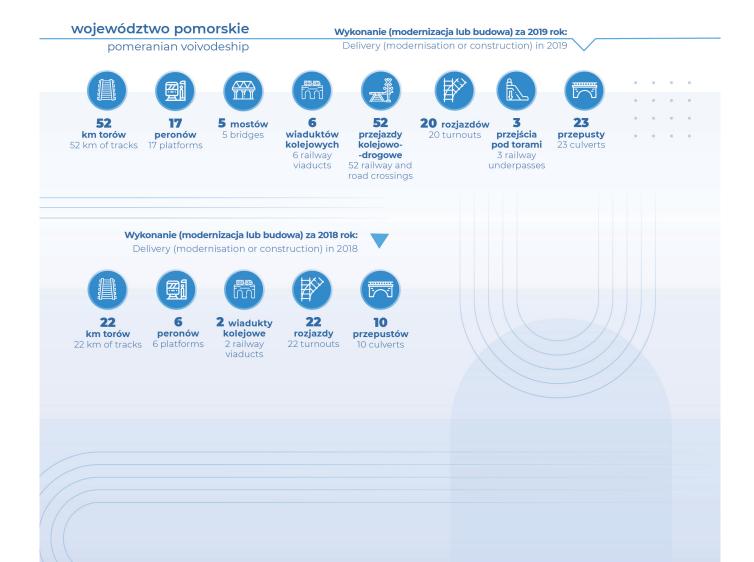
Delivery (modernisation or construction) in 2019

podlaskie voivodeship



# POMERANIAN VOIVODESHIP

In Pomeranian voivodeship 1159.39 km of railway lines are in use, accounting for about 6% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 667.76 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 16 investment projects will be completed in Pomeranian voivodeship by 2023 and their total value will be about PLN 6 billion.



#### SILESIAN VOIVODESHIP

In Silesian voivodeship 1739.09 km of railway lines are in use, accounting for about 9.5% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 1287.93 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 31 investment projects will be completed in Silesian voivodeship by 2023 and their total value will be about PLN 4 billion.

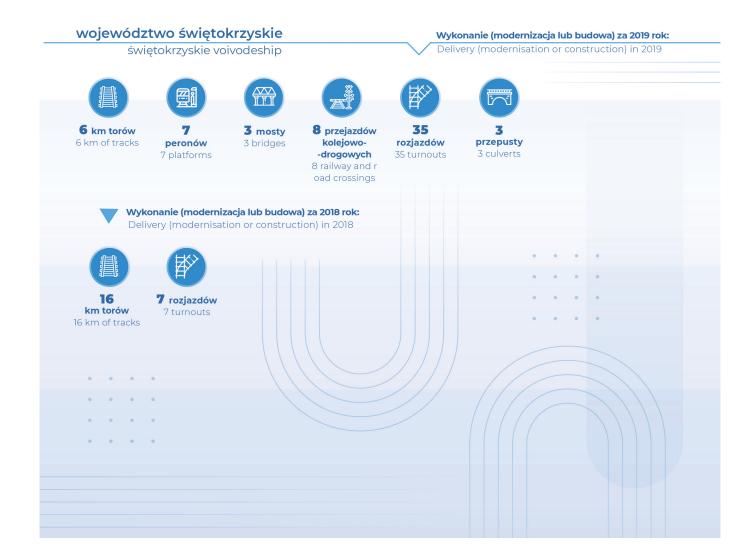
Delivery (modernisation or construction) in 2019

silesian voivodeship



# ŚWIĘTOKRZYSKIE VOIVODESHIP

In Świętokrzyskie voivodeship 601.23 km of railway lines are in use, accounting for about 3% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 428.52 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 12 investment projects will be completed in Świętokrzyskie voivodeship by 2023 and their total value will be about PLN 1.5 billion.



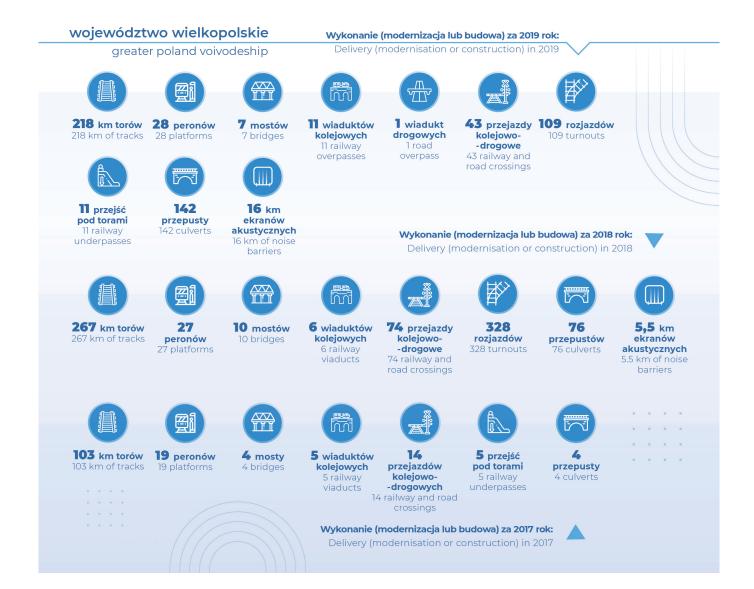
# WARMIAN-MASURIAN VOIVODESHIP

In Warmian-Masurian voivodeship 1080.58 km of railway lines are in use, accounting for about 6% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 695.49 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 11 investment projects will be completed in Warmian-Masurian voivodeship by 2023 and their total value will be about PLN 1.5 billion.



## GREATER POLAND VOIVODESHIP

In Greater Poland voivodeship 1877.64 km of railway lines are in use, accounting for about 10% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 1128.9 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 27 investment projects will be completed in Greater Poland voivodeship by 2023 and their total value will be about PLN 5.5 billion.



#### WEST POMERANIAN VOIVODESHIP

In West Pomeranian voivodeship 1147.65 km of railway lines are in use, accounting for about 6% of the lines managed by PKP Polskie Linie Kolejowe S.A. The length of lines of national significance is 782.03 km. Pursuant to the National Railway Programme, updated in July 2017, it is expected that 11 investment projects will be completed in West Pomeranian voivodeship by 2023 and their total value will be about PLN 2.5 billion.

Wykonanie (modernizacja lub budowa) za 2019 rok:

west pomeranian voivodeship



36 km torów 36 km of tracks



peronów 19 platforms



2 mosty 2 bridges



3 wiadukty kolejowe 3 railway viaducts



42 przejazdy kolejowo--drogowe 42 railway and road crossings



rozjazdów 14 turnouts



przepustów 35 culverts



kładka dla pieszych 1 footbridge



# Wykonanie (modernizacja lub budowa) za 2018 rok:

Delivery (modernisation or construction) in 2018







peronów



1 most 1 bridge



3 wiadukty kolejowe 3 railway overpasses



2 przejazdy kolejowo--drogowe 2 railway and road crossings



16 rozjazdów





przepustów



93 km torów 93 km of tracks



6 peronów 6 platforms



1 most



4 wiadukty kolejowe 4 railway overpasses



2 przejazdy kolejowo-drogowe 2 railway and road crossings



przepust





Wykonanie (modernizacja lub budowa) za 2017 rok:

Delivery (modernisation or construction) in 2017



# Dane teleadresowe

ul. Jana Matejki 1A 85-061 Bydgoszcz, Polska

tel.: <u>52 551 37 66</u> www.quixi.pl