



ASSOCIATION
INTERNATIONALE DES TUNNELS
ET DE L'ESPACE SOUTERRAIN

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INTERNATIONAL TUNNELLING
AND UNDERGROUND SPACE
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MEMBER NATION ACTIVITY REPORT





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PRESENTATION

NAME:

**Subcommittee of Underground Construction
of Polish Committee on Geotechnics**

TYPE OF STRUCTURE - association open to public

**NUMBER OF MEMBERS - 65 Individual Members
6 Corporate Supporting Members**



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2016 - ACTIVITIES



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Organization and Participation in

**2nd Conference Underground Structures 2016,
14-15.09.2016 Kraków**



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Participation of members in ITA activities:

**Anna Siemińska-Lewandowska - Member of
Executive Council, Tutor of WG15**



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Participation in WTC 2016 in San Francisco:

Monika Mitew-Czajewska – president

Anna Siemińska-Lewandowska – secretary

Participation in EETC 2016 in Prague:

Monika Mitew-Czajewska – president

Jerzy Lejk – vice president



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Journals

- Budownictwo Górnicze i Tunelowe -
Mine and Tunnel Engineering, ISSN 1234-5342
- Geoinżynieria- drogi, mosty, tunele -
Geoengineering- roads, bridges, tunnels
ISSN 1895-0426



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Journals

- Inżynieria i Budownictwo – Engineering and Construction, ISSN 0021-0315
- Górnictwo i Geoinżynieria – Mining and Geoengineering, ISSN 1732-6702



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Publications

Mitew-Czajewska M., Siemińska-Lewandowska A. The Second metro line in Warsaw – lessons learnt. Proceedings of the World Tunnel Congress 2016. *Uniting the industry*. San Francisco. USA.

Tomczak U., Mielczarek Ł. Two-level structure for tram and road traffic in the centre of city – Lodz in Poland. *Procedia Engineering* Volume 143, Advances in Transportation Geotechnics III. 2016. p. 574-581.

Lejk, J., Construction of the second metro line as the impulse for the development of the city. Proceedings of the 13th International Conference Underground Construction Prague 2016 and 3rd Eastern European Tunnelling Conference EETC 2016. Prague. Czech Republic



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Publications

Mitew-Czajewska M. (2016) Evaluation of hypoplastic clay model for deep excavation modelling. Archives of Civil Engineering Vol. LXII, Issue 4: p. 73-86

Godlewski T., Wszędyrówny-Nast M. Correlations of regional geotechnical parameters on the basis of CPTU and DMT tests. Proceeding's of The 13th Baltic Sea Geotechnical Conference, 22-24.09.2016r. Wilno, Litwa, Vilnius Gediminas Technical University Press, 2016, s. 22-27.

Superczyńska M., Józefiak K., Zbiciak A., Numerical analysis of diaphragm wall model executed in Poznań clay formation applying selected FEM codes, Archives of Civil Engineering Vol. LXII, Issue 3: 207-224, 2016.



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Publications

Godlewski T. - Correlations of regional (Poland) geotechnical parameters on the basis of SCPTU/CPTU and SDMT/DMT tests, Proceeding's of The 5th International Conference on Geotechnical and Geophysical Site Characterization 05-09.09.2016r. Queensland, Australia.

Małkowski P., Niedbalski Z., Majcherczyk T. - Roadway Design Efficiency indices for hard coal mines. Acta Geodynamica et Geomaterialia ; ISSN 1214-9705. 2016 vol. 13 no. 2, s. 201-211.

Niedbalski Z., Majcherczyk T. - Support's shafts in difficult geotechnical conditions. Selected issues related to mining and clean coal technology Krakow, 19-21 September 2016, eds. Marek Borowski, Justyna Swolkień, AGH University of Science and Technology. Faculty of Mining and Geoengineering. – Kraków S. 19-23.



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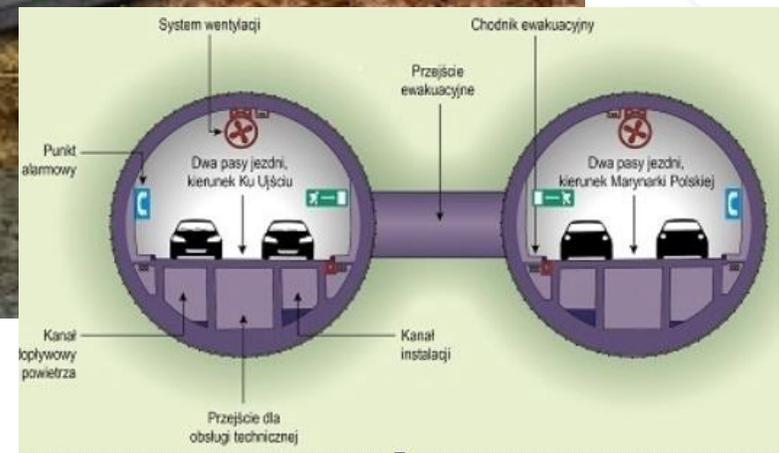
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TUNNELS - UNDERGROUND WORKS



Road tunnel under the Martwa Wisła





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Road tunnel under the Martwa Wisła river in
Gdańsk was opened to public on 22 April 2016

The total length of the passage is 1970 m
(approach ramps - 340 m, cut and cover
tunnels - 680 m, two 1076 m long tunnels
executed using 12,56 diameter Mixshield TBM)



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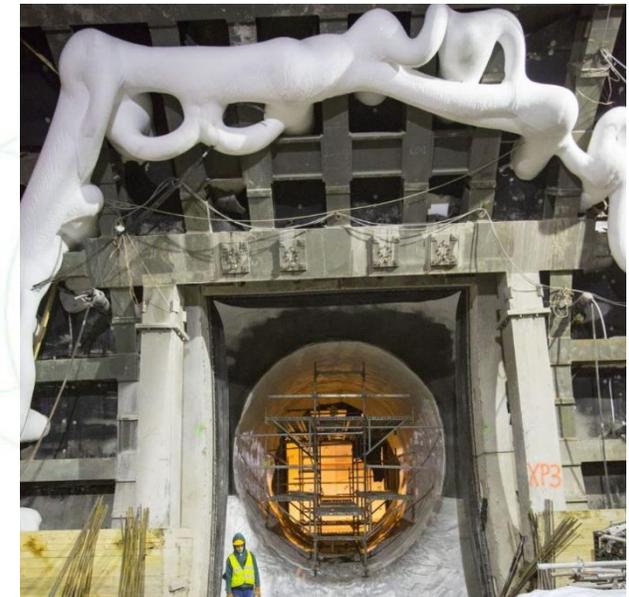
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Road tunnel under the Martwa Wisła





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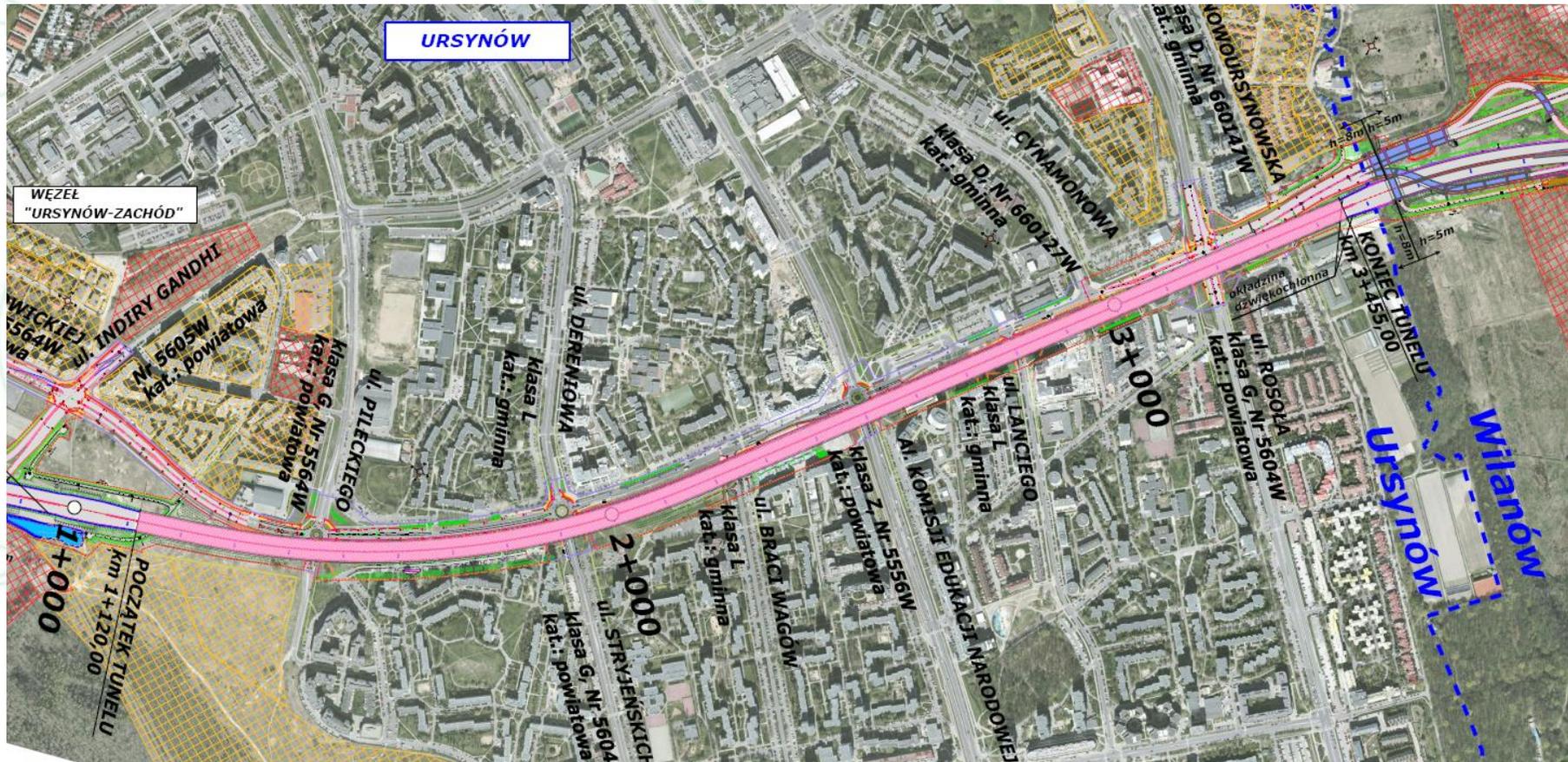


Road tunnel in Warsaw - a part of south city ring

The tunnel will be 2.700 m long, 3 lanes in each direction; construction method - cut and cover.
Design works in progres, building perit obtained.
Due date March 2019. Contractor: Astaldi S.p.A.



Road tunnel in Warsaw - a part of south city ring





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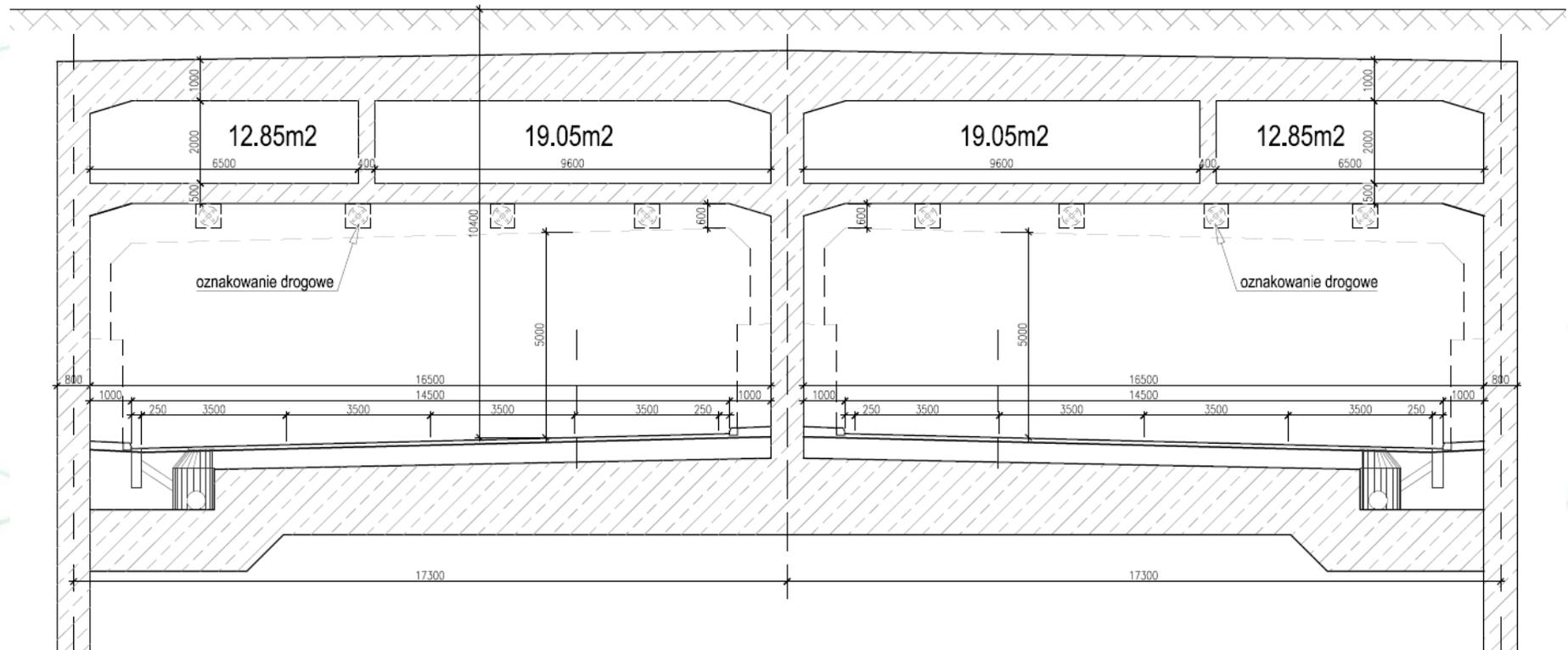
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Road tunnel in Warsaw - a part of south city ring





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2nd metro line in Warsaw

Construction works started in 2016,
contractors:

- east (3 stations, 3.1 km) - Astaldi S.p.A.
- west direction (3 stations, 3.4 km) –
Gülermak Ağır Sanayi İnşaat ve Taahhüt A.Ş.



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2nd metro line in Warsaw extension





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Tunnel under Luboń Mały - south Poland

Over 2 km bored tunnel on the S7 motorway from
Kraków to Zakopane (polish skiing resort)

The contract was signed in 2016.

Contractor: Astaldi S.p.A.

Due date 2021.



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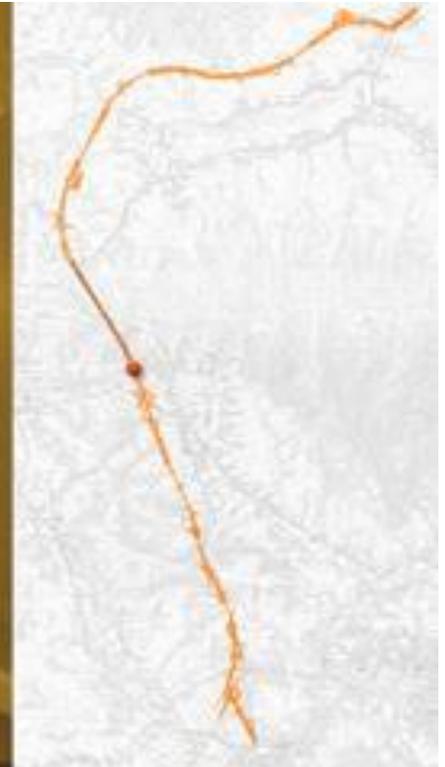
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Tunnel under Luboń Mały - south Poland (2016-2021)





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Tunnel under Luboń Mały - south Poland (2016-2021)





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Tunnel under Świna river in Świnoujście - north Poland

Length of the tunnel – 1,44 km

Design and build tender announced





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Tunnel under Świna river in Świnoujście





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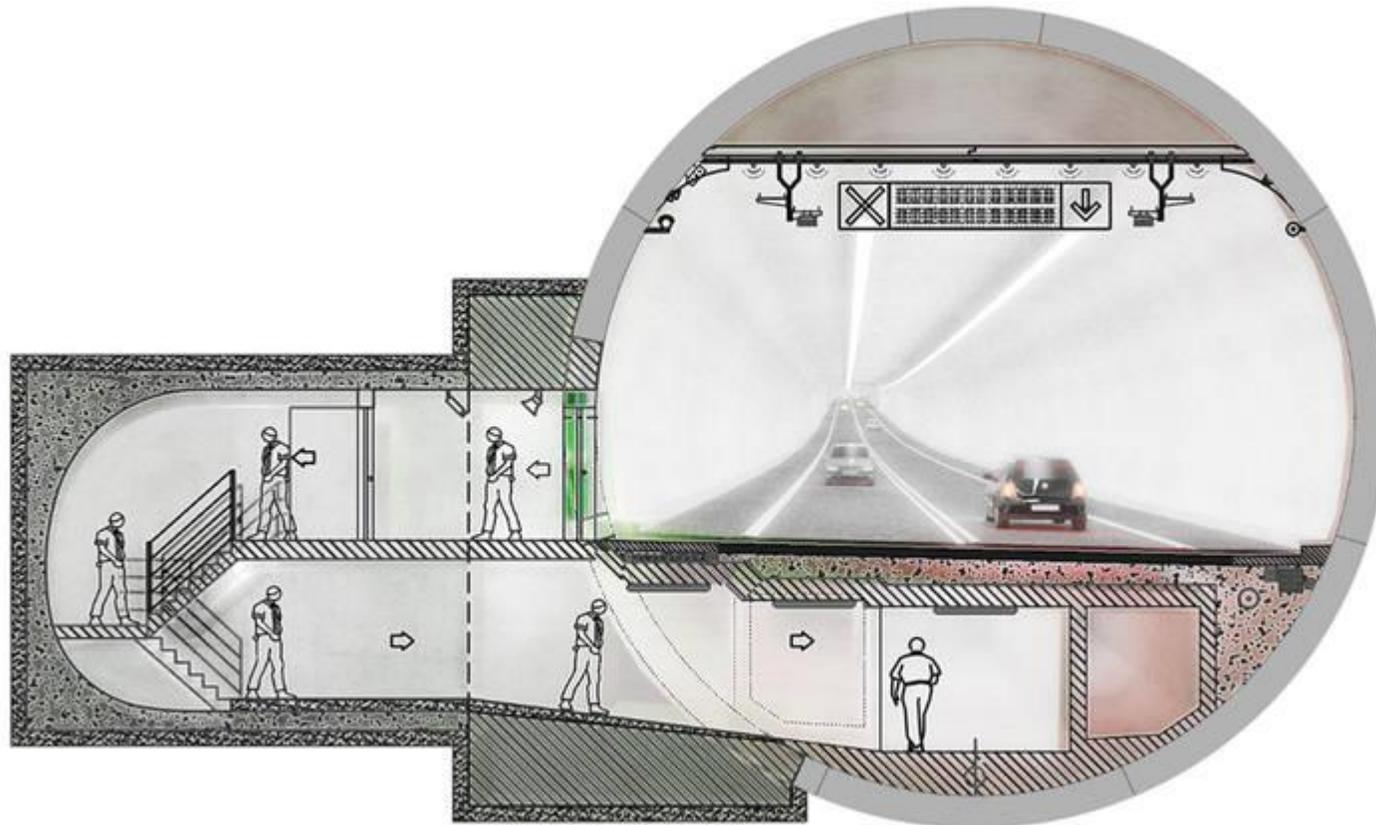
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Tunnel under Świna river in Świnoujście





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Tunnel connecting Łódź Fabryczna and Łódź Kaliska stations





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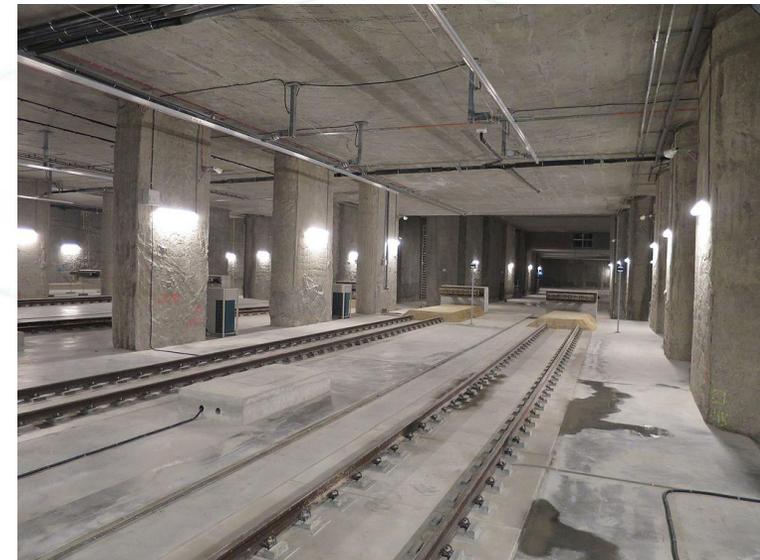
Tunnel connecting Łódź Fabryczna and Łódź Kaliska stations

Length of the tunnel – over 3.0 km

2 underground stations

Tender design announced

Due date 2022





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FUTURE ACTIVITIES



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**Organization and Participation in
XIII International Conference
Underground Infrastructure of Urban Areas 2017,
25-26.10.2017 Wrocław**

The conference endorsed by ITA



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Organization and Participation in

3rd Conference Underground Structures 2017,

September 2016, Kraków



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UNDERGROUND WORKS FOR THE VIDEO OF THE YEAR



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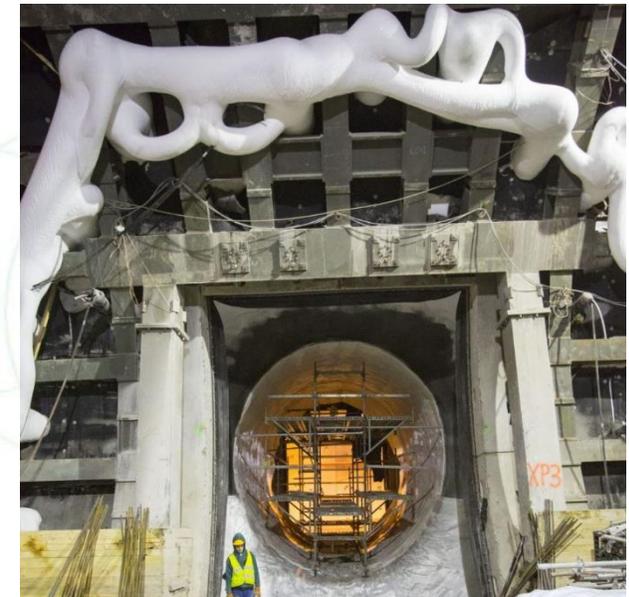
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Road tunnel under the Martwa Wisła





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COMMENTS ON THE STATISTICS