

CENTRALNY PORT KOMUNIKACYJNY

Danuta Rudzińska

Stakeholder Cooperation Expert

Railway Subprogramme Strategy & Planning, Design & Engineering Department

Webinar: Polish Railway – an Infrastructure with Huge Potential

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A nighttime photograph of an airport runway. In the foreground, a large commercial airplane is parked on the tarmac, its lights reflecting on the dark surface. In the background, another aircraft is visible on the runway, illuminated by red and white lights. The sky is dark, and the overall scene is dimly lit, with a blue tint. A white diagonal line runs across the top left corner of the image.

Europe's first airport
greenfield investment
in years and biggest
alteration project
of the Polish railway

CPK will be located at the heart of Poland,
in the area responsible for ~30%
of Poland's GDP, inhabited by ~8m people.

Łódź

- Population: **0,7m**
- Third biggest city in Poland

Lodzki region

- Population: **2,5m**
- Share in Poland's GDP: **about 6%**

Warsaw

- Population: **1,8m**
- Capital city and the biggest one in Poland

Masovian region

- Population: **5,4m**
- Share in Poland's GDP: **about 23%**



Łódź

30 min

CPK

15 min

Warsaw

CPK stages in numbers

2028+

40 Million passengers

2 Runways

330 000+ Air Traffic Movements

1m Tonnes cargo

The first **greenfield airport** investment in Europe in many years

2035+

65 Million passengers

3+ Runways

450 000+ Air Traffic Movements

2m Tonnes cargo

A unique project of an **intermodal transport hub** connecting the airport with the high-speed rail network

Gateway to new markets & destinations for Poland and our neighbours



3 Pillars of CPK Programme



Airport Hub

World-class hub airport
to serve Central and Eastern Europe



Railway Programme

Construction of approx. 2000 km of new lines
(including High-Speed Rail)
plus modernisation of existing railway routes



Airport City

Development of business, R&D, residential
and recreational district around the airport



Railway program



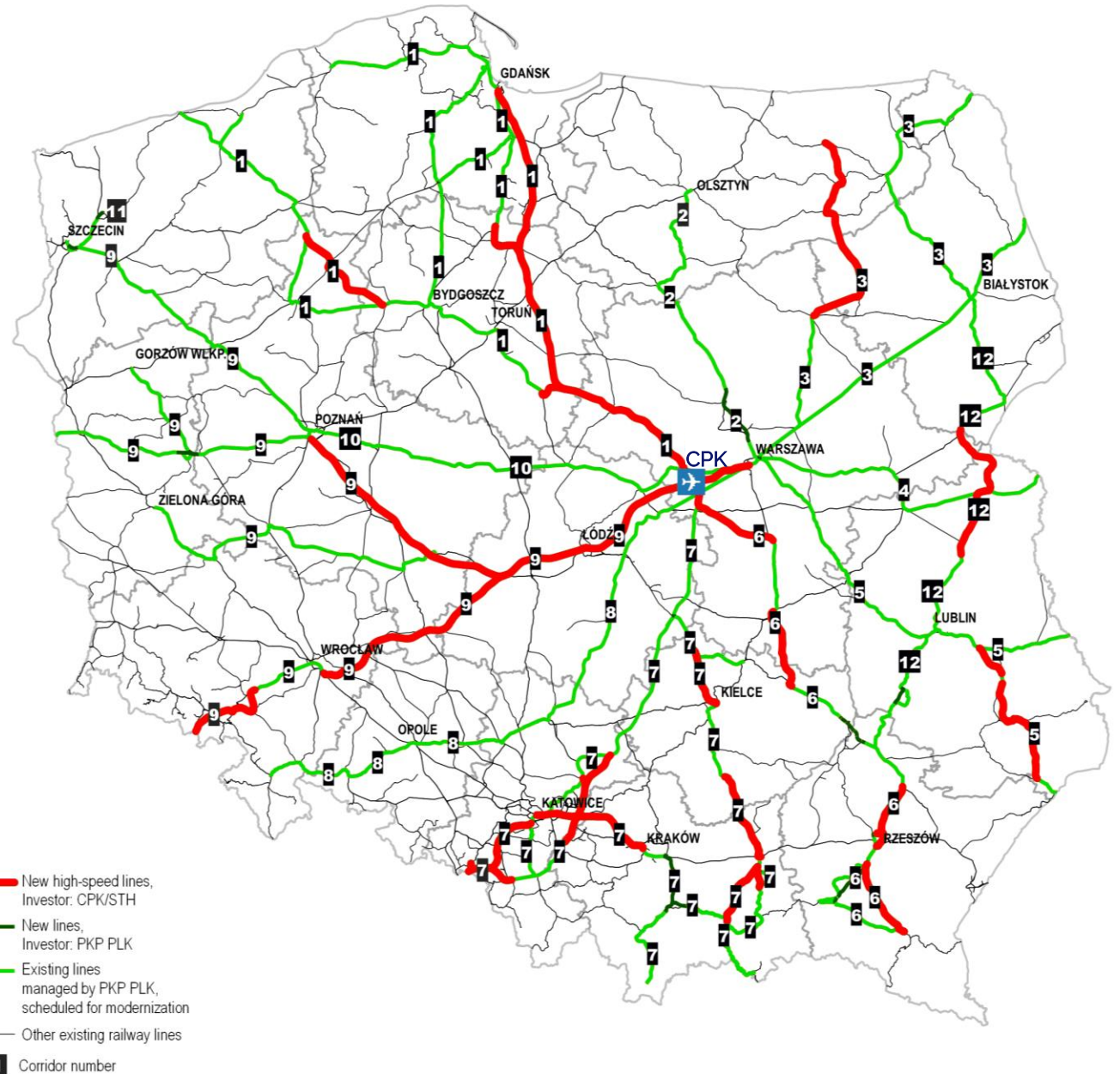
Basic assumptions for railway investment



12 railway corridors
incl. 10 „spokes”
radiating from CPK



Aim: most of the Polish cities in 2,5 h distance
to central Poland – CPK



Change in travel times in the most important routes from Warsaw



New sections, construction of CPK sp. z o.o.
 a basic high-speed rail network and two cross-border lines to the Czech Republic,
 the remaining,
 Railway lines of PKP PLK S.A., including sections intended for construction and modernization:
 section modernized to meet HSR parameters,
 others,

2:00 The estimation of the shortest driving times after completion of the CPK line construction

(3:10) driving times according to RJ 2020/21

(3:10[^]) driving times according to RJ 2020/21 with changes

Creation
an attractive alternative to
transport road

Increasing the innovation
and competitiveness of
the economy

~2000 km of new HS lines + modernization of existing ones

design speed: ≤ 350 km/h

operating speed: ≤ 250 km/h

electrification: 25 kV 50 Hz AC

passenger stations: every 50-100 km

potential for freight traffic
on certain lines



CPK integrating CEE region

Map legend:

- TEN-T network*
- other sections



Connectivity in CEE region

Links Baltic States with V4 countries providing additional capacity to air and rail transport

Included in TEN-T network

Part of North Sea - Baltic and Baltic - Adriatic Core Network Corridors

Shortened rail travel times

between major cities in CEE region, competitive to short-haul flights

	CPK
Tallinn	7:00 h
Riga	5:15 h
Vilnius	4:20 h
Praha	4:15 h
Brno	3:00 h
Bratislava	3:30 h
Budapest	5:00 h



2023

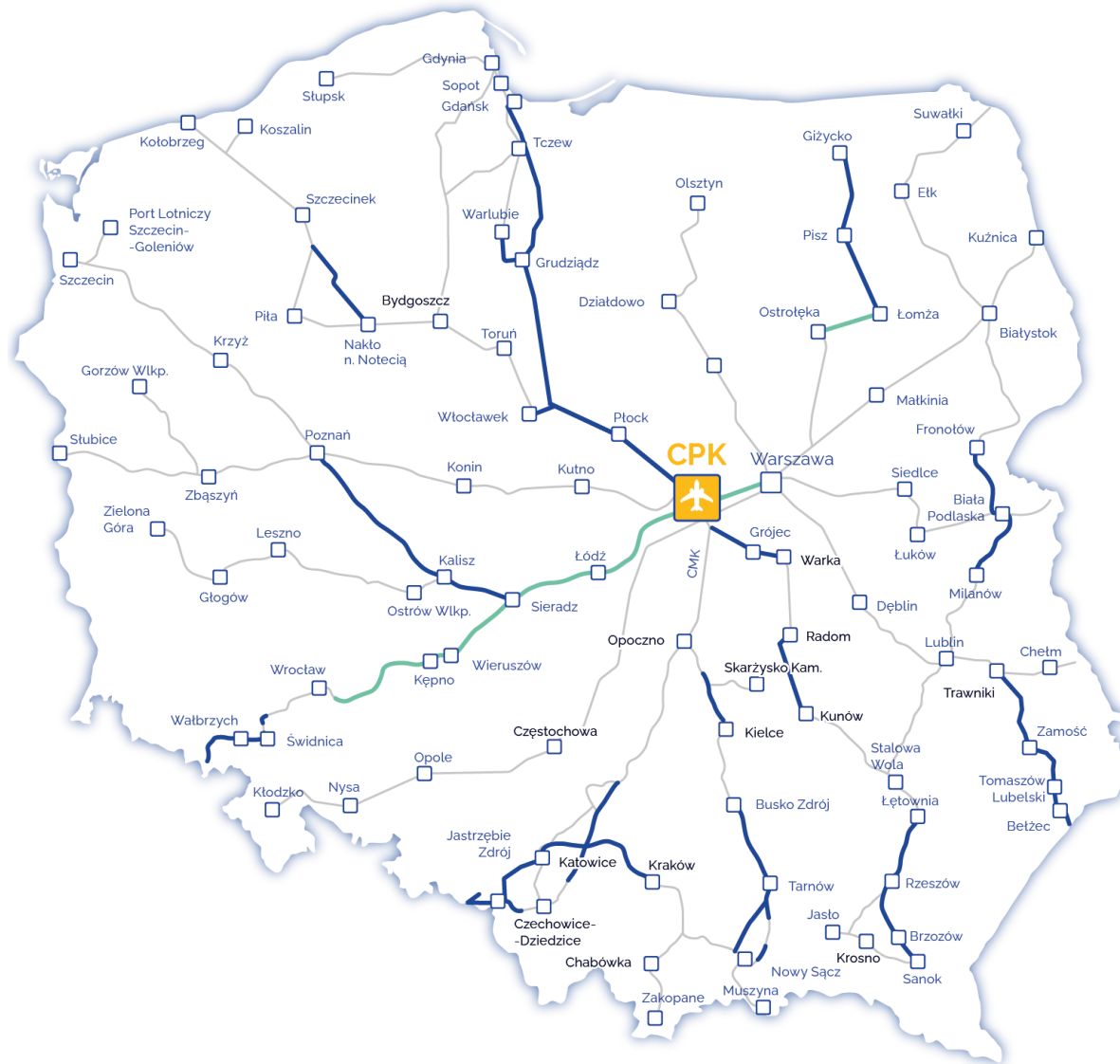
planned

approx. 2000 km



completed





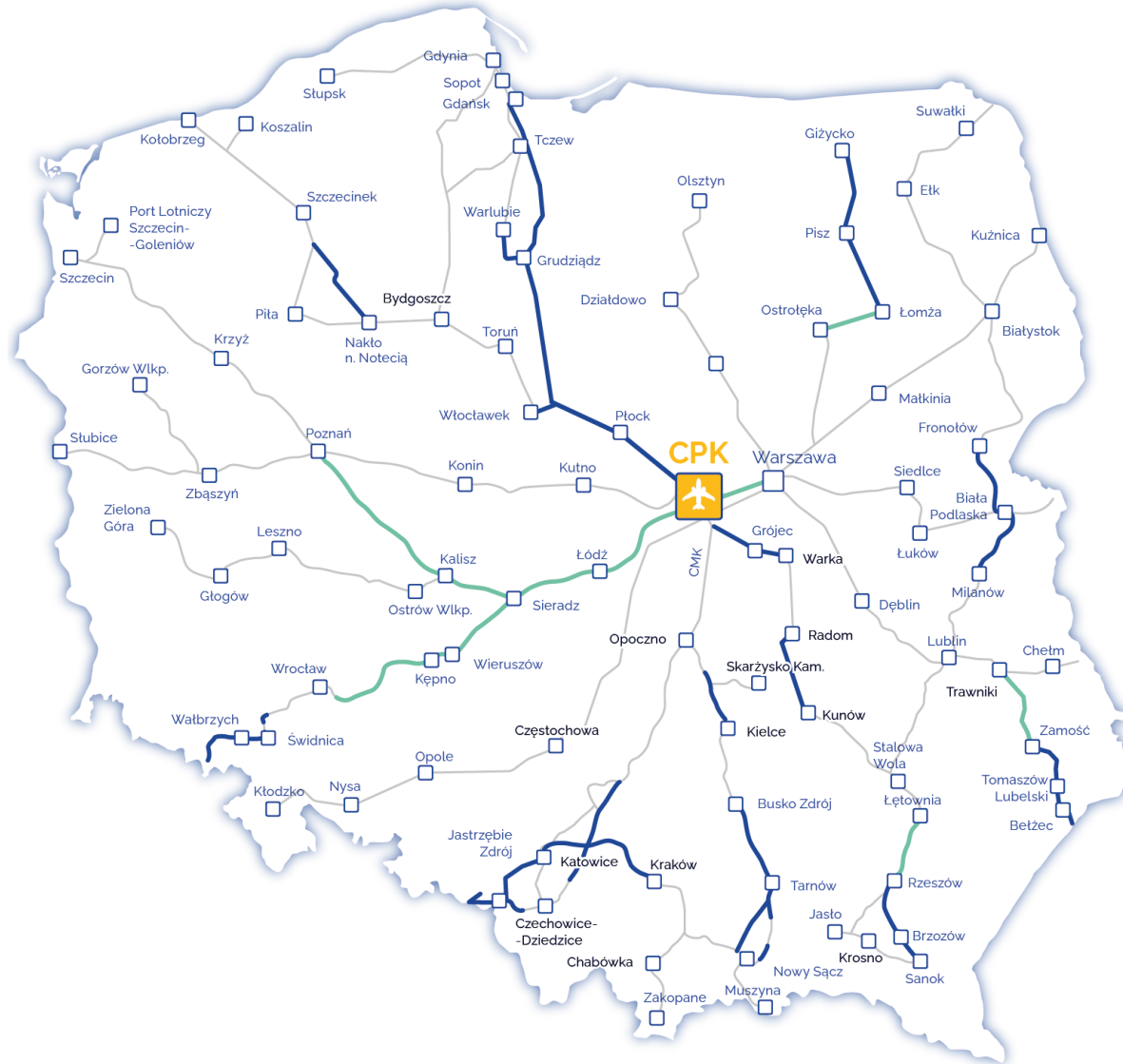
2028

planned



completed





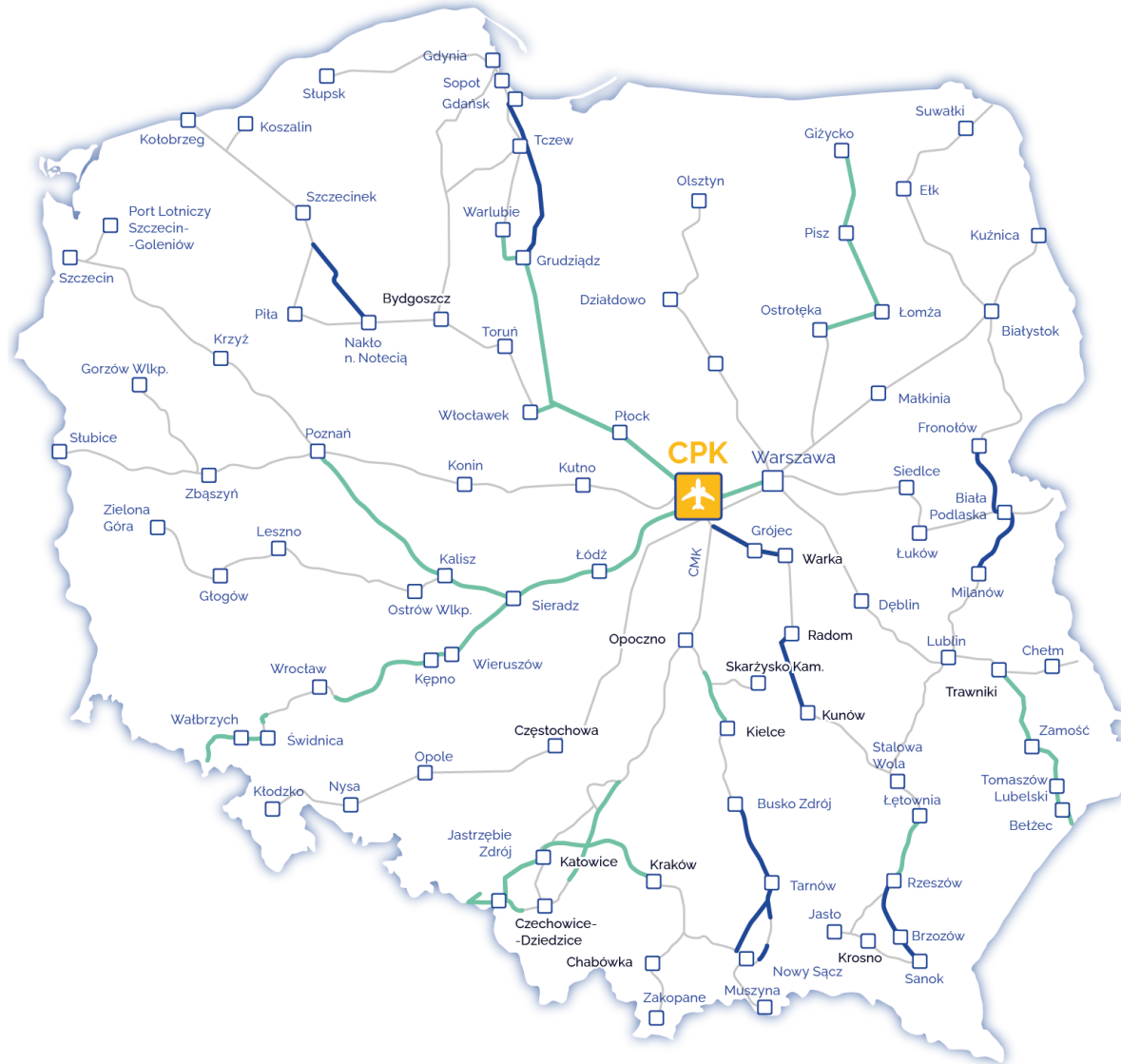
2030

planned



completed





2032

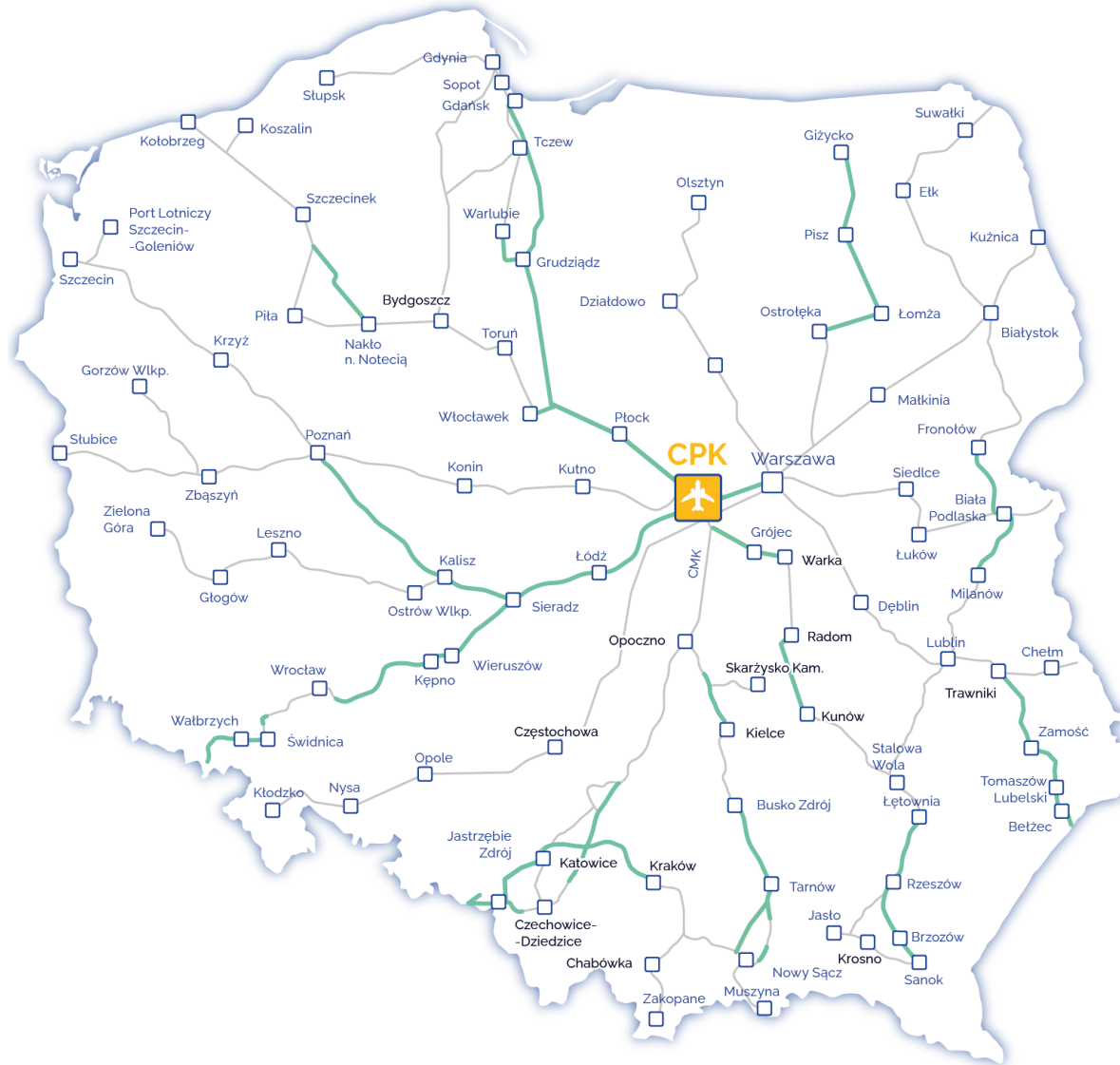
planned



completed



2034



completed

2000 km*



*estimations

17 fields of competency:

- Railways, Railway Traffic Management Systems, Bridges, Roads, Hydrotechnics, Catenary, Electricity, Teletechnics, Sanitary, Geotechnics, Structures, Architecture, Landscape Architecture, Geology, Geodesy, BIM, Digital Safety and Security.

Scope of activity:

- Contracting of FS & Desing projects
- Supervision & cooperation within the Integrated Teams
- Validation of the work done
- In-House or Replacement

Covered Phases

- Pre-Feasibility Study
- Feasibility Study and Enhanced Feasibility Study
- Design

Framework contract for construction works

CPK goes as a pionier



The bid to choose the
group of contractors
to shortcut the
process



The most complex
framework contract
for construction
works in Europe

All our procurement announcements are here:



Currently: preparatory construction works for the Project Y - Warszawa – Łódź
and Łódź – Sieradz – Wrocław.

Thank you for your attention

Visit CPK booth on TRAKO in Gdańsk
19-22 September – hall C.

contact:
danuta.rudzinska@cpk.pl