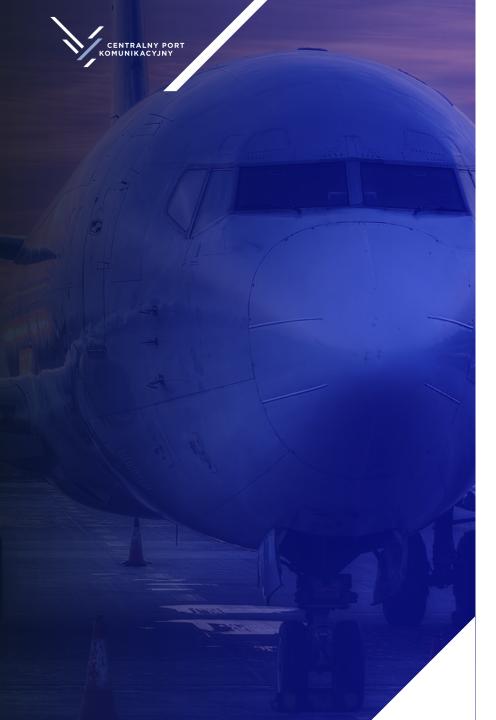


CPK Program Overview



Prague, 27.04.2023



- About CPK
- Actions to date
- 3 Current activities
- Future actions



1 About CPK

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Centralny Port Komunikacyjny is a transfer hub planned in Poland between Warsaw and Łódź, to integrate **air, rail and road transport**, and include:

a modern greenfield airport planned in the heart of Poland and Central and Eastern Europe

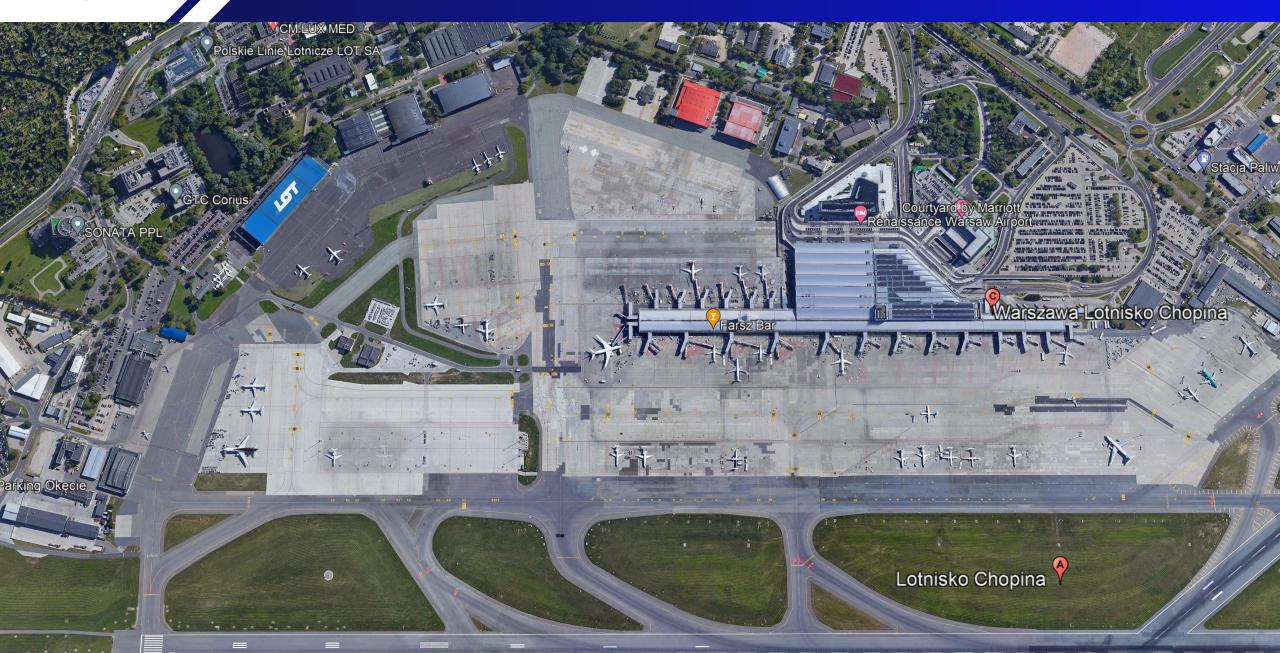
a network of almost 2,000 km of railway lines, including high-speed lines

Airport city – the development of business, office, hotel, residential and leisure infrastructure





Warsaw Airport - WAW





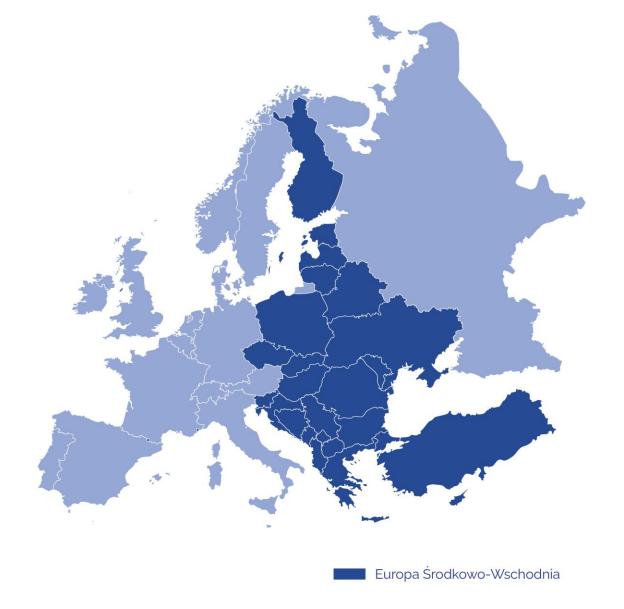
There is no airport in Central and Eastern Europe prividing services for more than 25 million passengers a year

CPK complements the European

TEN-T network in terms of access to air transport.

It will be the main transport hub for Central Easter Europe.





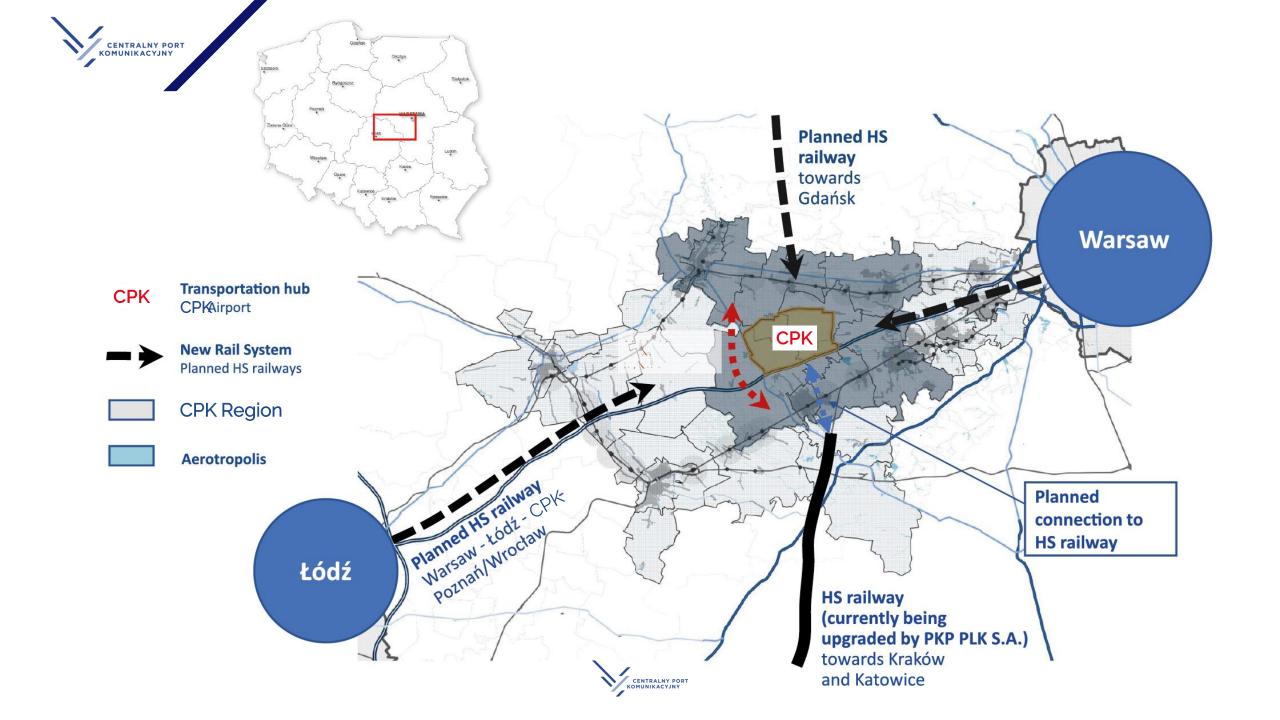


Warsaw

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

Masovian region

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





40 Million passengers capacity
2 Runways

330 000 Air Traffic Movements

Cargo

Railway station and PTI ready

Million passengers capacity

Runways

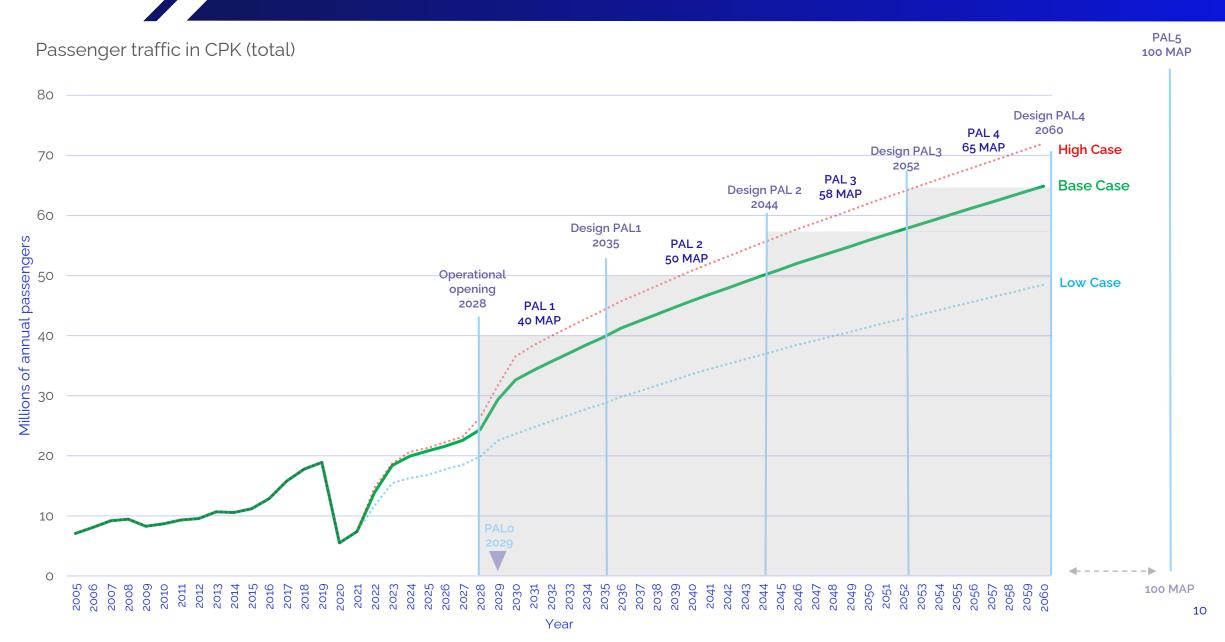
Air Traffic Movements

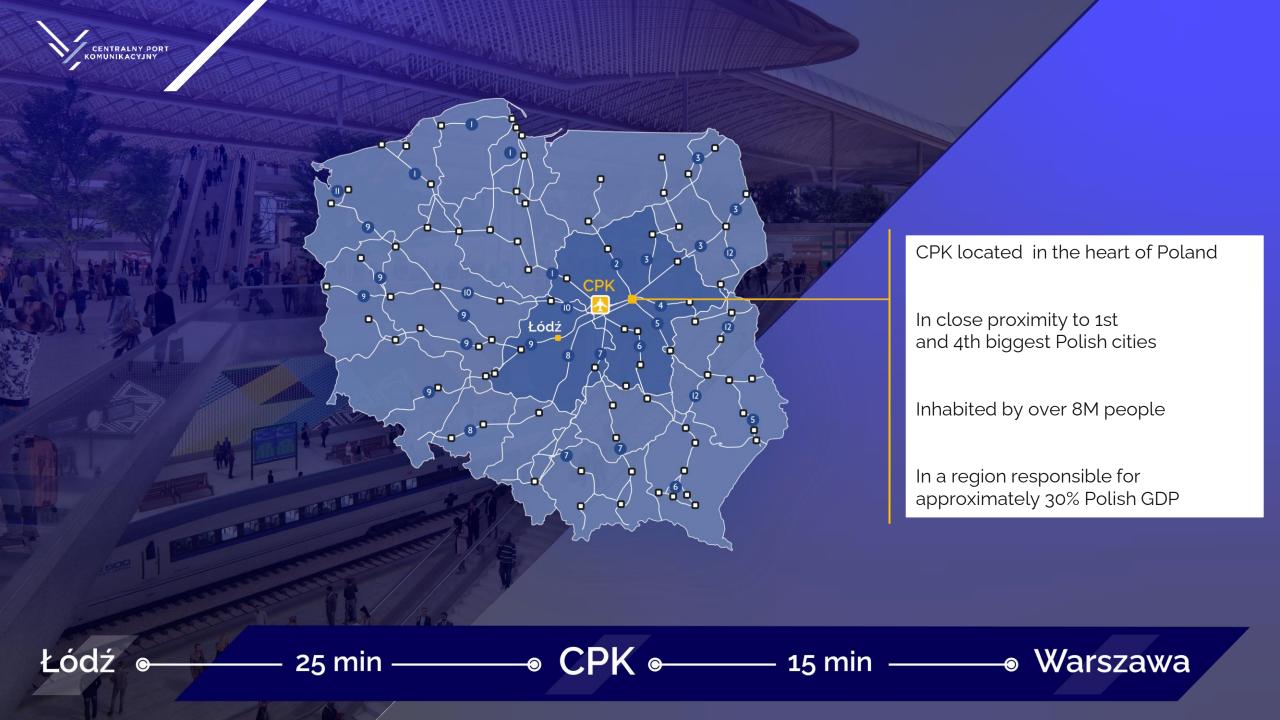
Cargo

Railway network ready



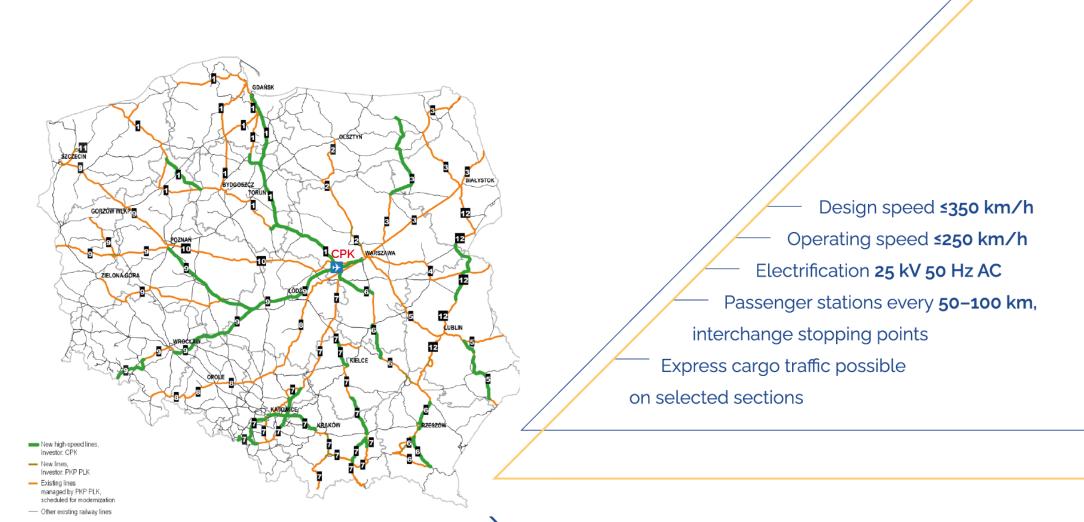
Aviation Forecast - Planning Activity Levels



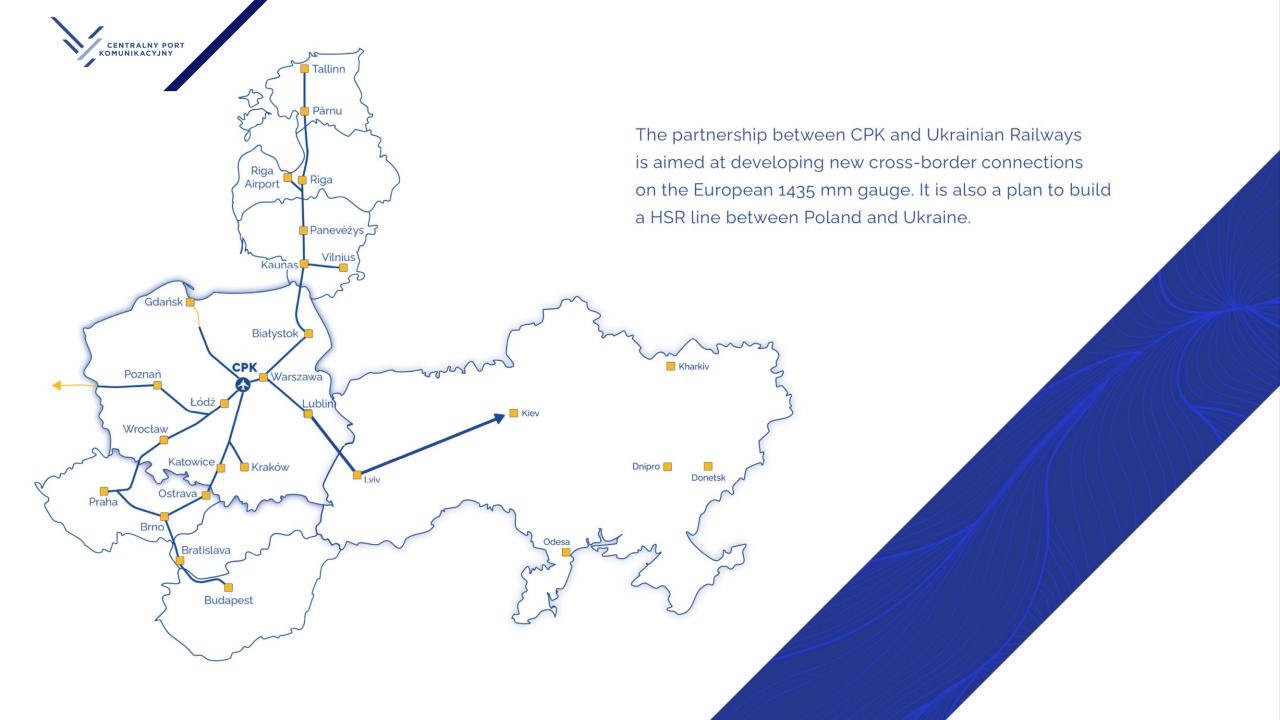




Core high speed rail network of 750 km covering all major cities and two cross border lines to the Czech Republic



CENTRALNY PORT





CPK is based on 3 main strategies

Air hub strategy

- Best in class hub airport with future fit and customer centric facilities for passengers, operators and staff
- World class logistic infrastructure
- Operationally excellent

Multimodal hub strategy

- Construction of 1981km new lines bringing the integration of the CPK with Polish and European rail system
- Full integration and expansion of existing motorway and expressway system

Sustainability strategy

- Net zero ready at opening
- 12 Strategic environmental and social-economics goals compatible with the UN Sustainable Development Goals





Air hub strategy

Airlines

Operational efficiency driven design

Cargo

Custom designed cargo facilities fully addressing market needs

Commercial

Best in class commercial opportunities

Passengers

World-class service for departing, arriving and transfer delivering unique experience

Wellbeing

Friendly and safe environment for our customers and our staff

Future proofed

Flexible design ready to accommodate future challenges such as technological, political, sanitary



Multimodal strategy

Single hub – all modes

Airport, train station and PTI under one roof within walking distance

Network integration

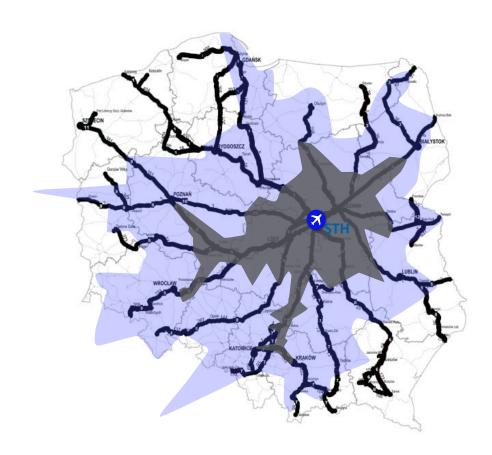
Multimodal system of airport with rail and road network, vastly enhancing short time catchment area

Cargo hub

Full-service cargo and logistic centre consolidating air and road network

TEN-T connected

An essential part of European TEN-T network



Train catchment area

3M - 1:00h

6M - 1:30h

23M - 3:00h

Road catchment area

5M - 1:00h

7M - 1:30h

27M - 3:00h



Net Zero emission from 2028

Significant share of zero emission fleets, electric power and air-conditioning supply to all stands

Sustainable building construction

Multimodal system of airport with the rail and road network vastly enhancing short time catchment area

Green transport

Reduction of domestic flights supported by convenient green transport connections

Airport Carbon Accreditation

>20-fold reduction in the number of people affected by aircraft's noise compared to WAW airport

Buildings and infrastructure designed to be certified at the world's best sustainability level



Why in Poland?

The biggest and most populous country in the CEE region

Dynamic and resilient economy

Geographically close to main trade routes

Why a greenfield airport?

Unlimited development possibilities for fully multimodal transport hub

Current Chopin airport has unremovable constraints

Why is CPK important for CEE?

Infrastructure planned as dual use, enhancing military mobility capacities along NATO Eastern Flank, addressing geopolitical importance



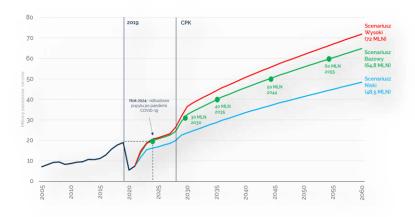


2 Actions to date

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Master Plan and associated tasks









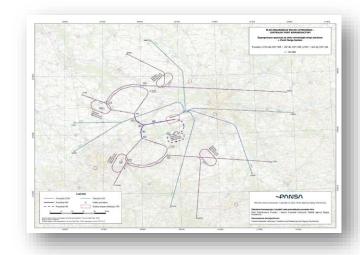
IATA aviation forecasts for Poland and CPK, developed in 2021 in cooperation with 'Polish Airports' State Enterprise (PPL) and Ministry of Infrastructure (MI). The forecasts have been validated by the Operational Advisor (IIAC) and Master Planner (Arup).

Basis for MP, PG, ROOŚ, financial projections.





Meteo station – since October 2021, meteorological data have been acquired (wind speed and direction, temperature, humidity, pressure, precipitation, cloud base), necessary for the preparation of the Meteorological Study for the airport certification process.





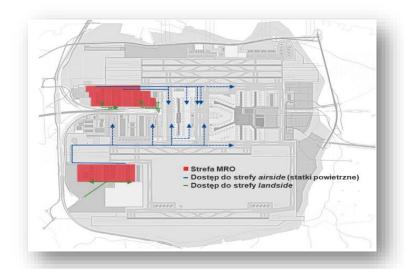
Initial assumptions for the development of instrumental flight procedures. Division of responsibility for air traffic service systems.

Air traffic organization plan.



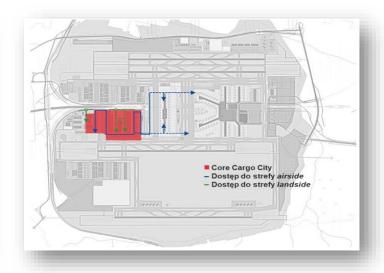


Cargo, MRO and commercial analyses



MRO Analyses - works on design requirements from MRO Stakeholders

Facilities dimensioned based on requirements provided by MRO operators during the stakeholder engagement process.



Cargo analysis - works on Cargo infrastructure dimensioning, design requirements from Cargo Stakeholders.

Development of Cargo Business Case and Cargo Development Strategy at CPK.

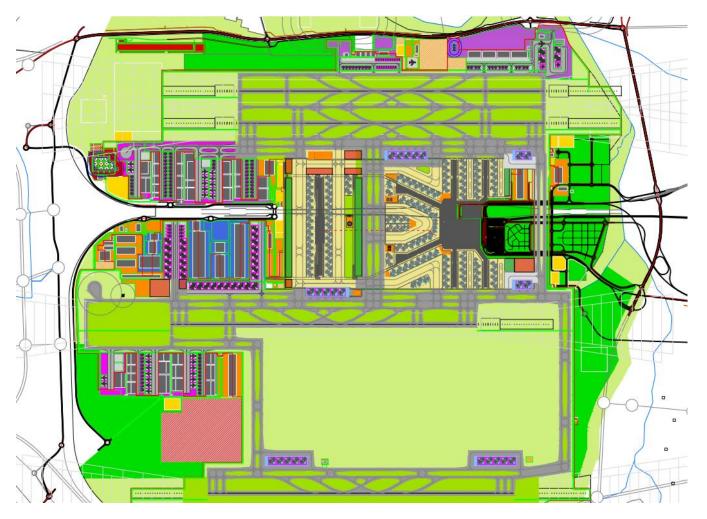


Commercial - development of airport charges, airline and non-airline revenue model, development of commercial assumptions - terminal and landside (plaza), commercialization and preparation of network development strategies.





Master Plan





Master Plan is the CPK Company's key planning document that shapes CPK location, scope and delivery of the Investment and related Associated Investments. which developed was cooperation with Arup throughout 2021 and 2022.









2018

2019

2020

2021

2022

2023

2024

2025

2026



Master Plan - Refined concept

PAL 1 PAL 2 PAL 5



Terminal Apron

Parking / Airport City

Deicing

Cargo

MRO

Support Facilities

Utilities

Aviation Fuel

Military / GA



Master Plan - Final concept PAL5





Process of obtaining opinions, settlements and approvals for the Airport General Plan

11.10.2022 **Forum of Stakeholders**







19.12.2022 Opinion of the Civil Aviation Authority President





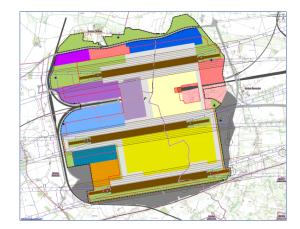
27.09.2022 Consultation with municipalities





26.01.2023 Agreement by the Ministry of **Development Funds** and Regional **Policy**





..... Approval by the **Ministry of Infrastructure**



2026

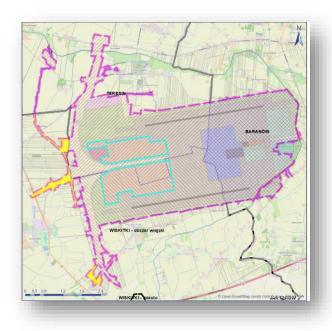




Site surveys, environmental analyses and acquisition of location decision







Multiconsult

Site surveys and measurements hydrogeological and geotechnical drilling, photogrammetric measurements, maps for design purposes.



Location densital surveys minimparation of location of the containing sorightato application for an proview tymental decision.

2025



26

2018 2019 2020 2021 2022 2023 2024



EIA Report and Application for Environmental Decision (Polish: DŚU)



A decision on environmental conditions (Polish: DŚU) is the first administrative decision obtained through an administrative procedure, which determines environmental conditions for the implementation of an undertaking.

Submission of an application for Environmental Decision: October 2022

Obtaining the Environmental Decision is expected in May 2023











MCE - Master Civil Engineer



Agreement signed on: 20.10.2022

Preparation of the design documentation for:

- Airside,
- Landside.
- Utilities.





Agreement signed on: 10.11.2022

Preparation of the design documentation for:

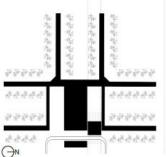
- Terminal Building,
- Railway Station Building,
- Public Transport Interchange (PTI).





Master Architect – design stage

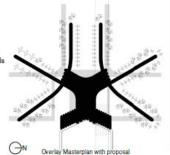




MASTERPLAN

Brief parameters

- Single terminal
- Adjacent to rail alignment
- Limit rail tunnel to airside areas only
 6 piers 144 ICAO code C equivalent stands



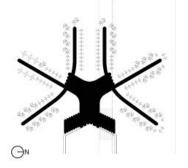
PROPOSAL

Compliant

- Single terminal
- Adjacent to rail alignment
- Limit rail tunnel to airside areas only
 6 piers 146 ICAO code C equivalent stands

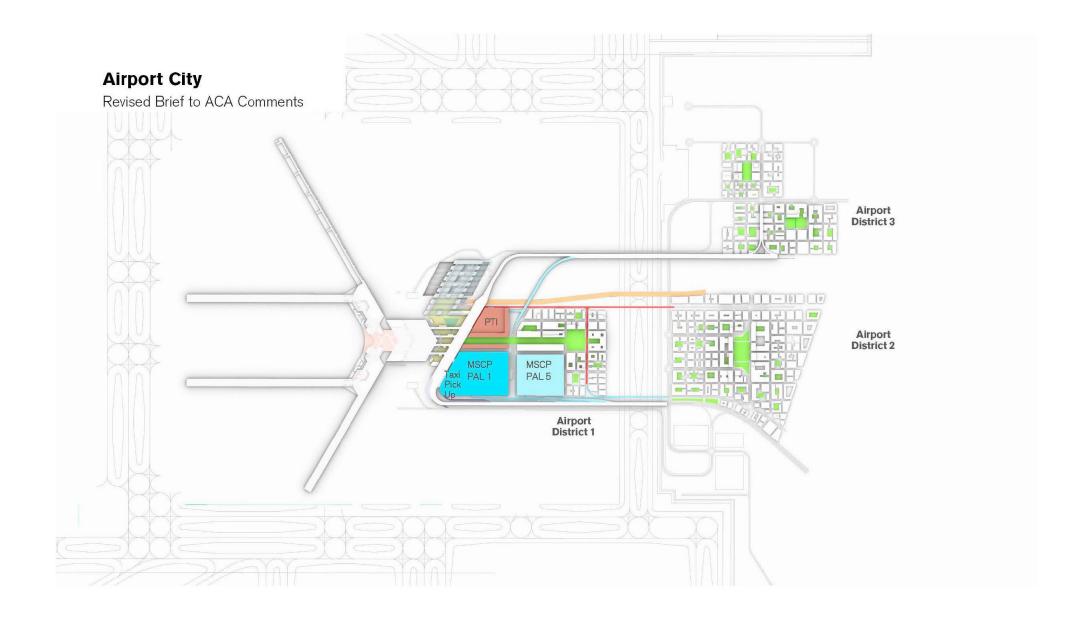
- Improvements

 Walking distances reduced by 24%
- Intuitive passenger flows
 PTI plaza linking all transport nodes together
- Symmetrical
- Improved airfield layout
- Building footprint optimized





Master Architect – airport city





ASID – Airport Systems Integration Designer







Agreement signed on: 21.12.2022

Scope:

- 1. ICT/SAS Systems Strategy development and integration context of operational, commercial and design assumptions.
- 2. Analysis of systems and new technologies suppliers.
- 3. Development of ICT/SAS requirements to be included by MA/MCE/SIE in the Design Documentation.
- 4. Development of a plan for procurement and implementation of individual systems.
- Systems and systems integration design systems architecture, interfaces, data model, technical and functional specifications, cybersecurity.
- 6. Verification of MA/MCE/SIE designs' compliance with ICT/SAS requirements.
- 7. Development of specifications for the acquisition of systems/systems packages.

DRF - Design Review Consultant



Hill International

Agreement signed on: 03.01.2023

Scope:

- Technical supervision of design works,
- 2. Monitoring the progress of documentation production,
- 3. Verification of project documentation,
- 4. Verification of schedules, cost estimates, quality,
- 5. Early warning mechanism,
- 6. Claims assessment,
- 7. Provision of services as regards construction works packaging,
- 8. RFI management,
- 9. Monitoring the design change process,
- 10. Managing project interfaces,
- 11. Provision of services as regards design solutions optimisation.



32

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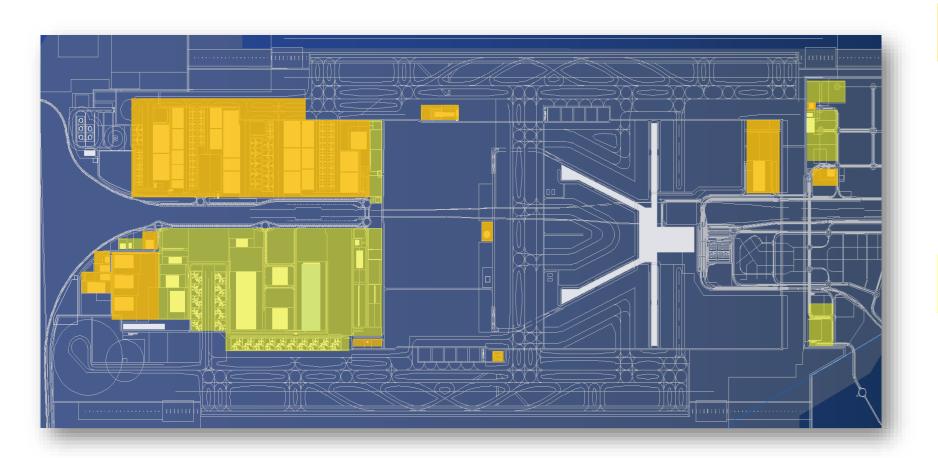
2024

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SIE - Support Infrastructure Engineer







Frame Agreement 2 (pending)







Road Concept Designer (Polish: KPD - Koncepcja Programowa Dróg)





Multiconsult





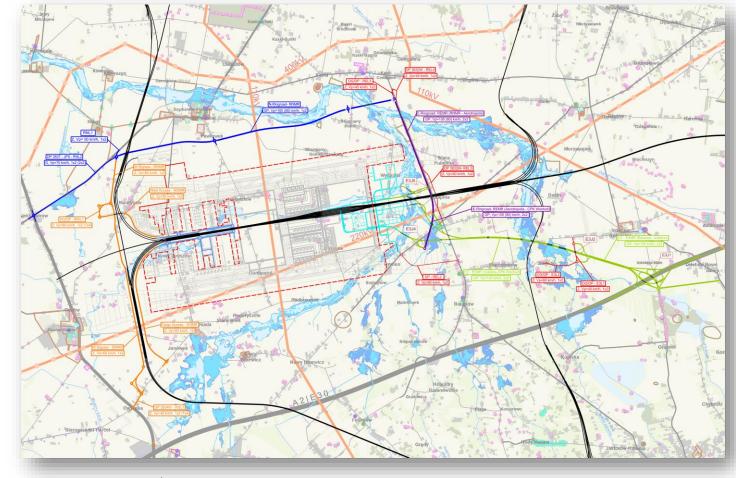








- Airport Eastern connection to A2 Motorway (E3MR)
- Airport Eastern Bypass (REMR)
- Airport Northern Bypass (RNMR)
- Airport Western Bypass (BWMR)
- Airport Western Connector central (W2MR)



Programme Concept 03.2023 - 04.2024

Tender Procedure (Design and Build Contractor) 08.2023 – 10.2024

Selection of Design and Build Contractor - October 2024

oe ign (Construction Design + Executive Design) + Construction Works

3

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Preparatory Works



On 13.02.2023, demolition work began on the plots acquired under the Voluntary Acquisition Programme.

- Preparatory works for CPK Airport
- Provision of transport infrastructure for the purpose of **CPK** construction
- Relocation of sanitary networks outside the CPK area
- Construction of a sewage collector to Zyrardów
- Construction and reconstruction of power and telecommunications lines
- Removal of overhead collisions
- Relocation of the drainage ditch from Nowy Oryszew

Designers

Contractors





























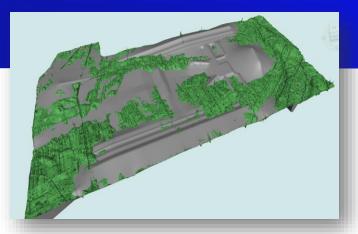




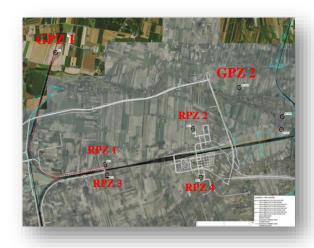
Survey







Land levelling - one of the designer's main objectives is to optimise as regards earth masses and stormwater management.



Power supply - the airfield power supply system will consist of two independent connections GPZ-1, GPZ-2. The DPZ stations will supply the four main RPZ stations.

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Preliminary Market Consultations - Main Works



Preliminary Market Consultations for Main Works were announced on 20.01.2023.

20 companies were qualified for the second stage.



Airport Concept of Operations



Support to CPK as regards the development of a detailed concept of operations, as well as the airport operational and management model







Airport Concept of Operations

Airport Operational Advisor

Support to CPK by the experience of the large and effectively managed airport hub operator in the following areas:

- Initial Model of Operations
- Extended Concept of Operations
- Support in developing design requirements
- Support in responding to designers' enquiries









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Schedule - Plan for 2023

