



PKP POLSKIE LINIE KOLEJOWE S.A.



High Speed planning in Poland.

Preparation and implementation of high speed lines building.

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	<h3>High Speed Planning in Poland</h3> <p>Preparation and implementation of high speed lines network building.</p>
	<p>Why do we need high speed lines?</p> <ul style="list-style-type: none">➤ distances between biggest cities in Poland are more than 300 km➤ speed of 160 km/h is not sufficient in competition with road transport, taking into consideration present and future building of motorways and expressways➤ a chance to be in competition with short-distance airlines, which are still developing
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High Speed Planning in Poland

Preparation and implementation of high speed lines network building.

Modernisation Plans according to Operational Programme for years 2007 - 2013

For preparation and implementation of railway projects assumed total amount about 6 billions €.

The most of them concern modernisation of AGC/AGTC lines.

There are also foreseen two projects for preparation of high speed lines.

1. Connection of Warsaw – Katowice/Krakow
2. Connection of Warsaw – Lodz – Wroclaw/Poznan

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High Speed Planning in Poland

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Railway lines network in Poland. Modernisation plans.

— Modernisation foreseen in Operational Programme 2007 – 2013

— Modernisation after year 2013

High speed lines:

— Building new line speed 300/350 km/h (after 2013)

— Modernisation of existing line to max speed 250km/h (before 2013)

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High speed lines and conventional railway system

Implementation of high speed lines and modernisation projects have to take into consideration cooperation two railway systems (conventional and high speed) and complementary each other.

“Main assumptions for modernisation and development of railway system in Poland”

The programme accepted in PKP PLK S.A. shows target speeds at lines and also high speed lines.

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High speed lines and conventional railway system

Target speeds on lines

- █ 200 < v ≤ 350
- █ 160 < v ≤ 200
- █ 120 < v ≤ 160
- █ v = 120
- █ v < 120

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A localisation of high speed lines is not accidental. These lines are forming up a kind of “backbone” of railway system.

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High speed line as a „backbone” of railway system.

— High speed lines

— Connections with HS lines

— AGC/AGTS lines

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Preparation and implementation of high speed lines network building.

Planned stages of preparation and implementation of high speed lines

1. Connection Warsaw – Katowice/Krakow
2. Connection Warsaw – Lodz – Wroclaw/Poznan

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Preparation and implementation of high speed lines network building.

1. Connection Warsaw – Katowice/Krakow
Modernisation and extension of the central main line

A contract for carrying out feasibility study, design and tender documentation for this project should be signed in the next year.

Preparing of whole necessary documentation is expected until 2010/2011.

In the feasibility study should be analysed following general options:

- modernisation up to 200/220 km/h
- modernisation and building line up to 250/270 km/h
- modernisation and building line up to 300/350 km/h
- reference option (do nothing).

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High Speed Planning in Poland

Preparation and implementation of high speed lines network building.

Main tasks and stages

Task 1 - modernisation up to 250 km/h
implementation of work 2011-2013

Task 2 – building new section with speed 250/300 km/h
implementation of work 2012-2014

Task 3 – modernisation and build new section with speedup to 200/250km/h
implementation of work 2012-2014

Task 4 – modernisation/rebuild up to 160/200 km/h
implementation of work 2013-2015

Task 1 - modernisation up to 250 km/h
implementation of work 2011-2013

Task 2 – building new section with speed 250/300 km/h
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Task 3 – modernisation and build new section with speedup to 200/250km/h
implementation of work 2012-2014

Task 4 – modernisation/rebuild up to 160/200 km/h
implementation of work 2013-2015

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Preparation and implementation of high speed lines network building.

2. Connection Warsaw – Lodz - Wroclaw/Poznan Building of new line, so-called „Y” line

The call for tender for preparation of feasibility study for this project is foreseen in the next year.

A chosen Consultant should make proper financial and technical analysis, taking into consideration possible sources of financing like European funds, state budget and private capital.

A getting of financing for this project may be a crucial element enables its implementation on assumed schedule.

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High Speed Planning in Poland

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2. Connection Warsaw – Lodz - Wroclaw/Poznan Building of new line, so-called „Y” line

Additionally it is assumed directly connection of this project with two other projects concerning modernisation of existing lines.

The first of them is modernisation up to 160km/h of line Warsaw – Lodz, which is being under implementation.

The second one is modernisation of line Lodz – Kalisz (up to 120/140 km/h), which is foreseen to implementation in years 2012 – 2014.

These two modernisations are treated as a stage “0” in point of view implementation of high speed line.

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High Speed Planning in Poland

Preparation and implementation of high speed lines network building.

Stages of implementation of „Y” line

Stage "0" (Separate project - under implementation)
Modernisation of line Warszawa - Łódź
up to $v = 160$ km/h

Stage "0" (separate project)
Modernisation of line Łódź - Kalisz
up to speed $v = 120/140$ km/h

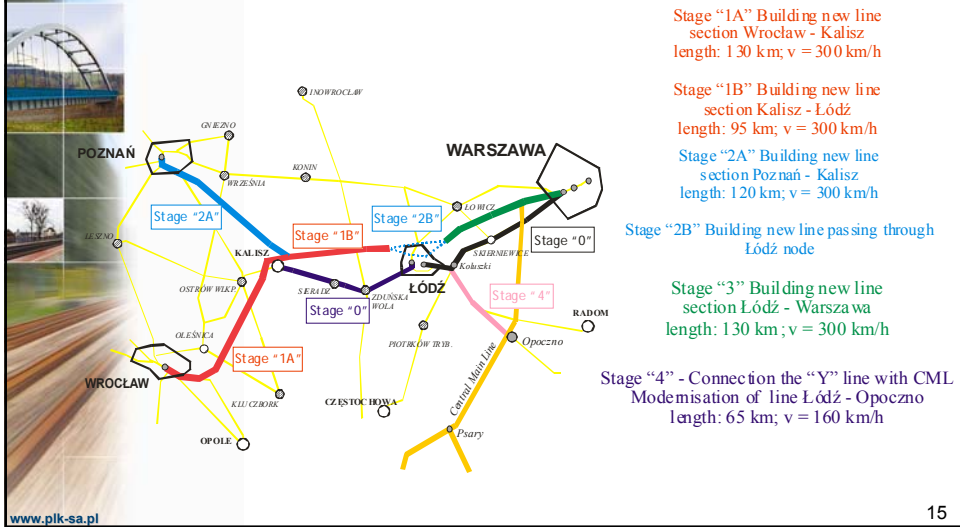
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Stages of implementation of „Y” line



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