



DB International

New perspective of railway infrastructure development in the Danube region

DB International GmbH

Region Eastern Europe & Russia

The Danube Region Transport Days 2013

October 2013, Belgrade

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Information about Deutsche Bahn AG

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Information about DB International GmbH

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Railway development in Danube region

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Activities of DB International in the region

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Activities of DB International in the region

DB's organizational structure consists of three divisions and nine business units

BAHN



Passenger transport:

Domestic and European-wide mobility services

DB Bahn Long Distance

Long-distance rail passenger transport¹

DB Bahn Regional

Regional/urban passenger transport (Germany)

DB Arriva

Regional/urban passenger transport (Europe)²

NETZE



Infrastructure:

Efficient and future-oriented rail infrastructure in Germany

DB Netze Track

Rail network

DB Netze Stations

Traffic stations

DB Netze Energy

Traction current

SCHENKER



Transport and logistics:

Intelligent logistics services via land, air and the sea

DB Schenker Rail

European rail freight transport

DB Schenker Logistics

Global logistics services

Rail Technology and DB Services³

Integrated range of services

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Activities of DB International in the region

DB International – 46 years of German railway know-how worldwide

1966

- The company was founded as Deutsche Eisenbahn-Consulting GmbH (DE-Consult) by Deutsche Bank and Deutsche Bundesbahn.

2007

- Change of name and reorientation;
- Enhancement of Business Activities.

2013

- World-wide Branch offices;
- Projects in more than 100 countries;
- Program **PERFORM 2020** for achieving the defined goals.

Our Advantage

- Technical and commercial expertise in all areas of modern transport gained through many years of experience;
- Successful accomplishment of more than 2,000 projects in over 100 countries for public and private clients;
- DB International GmbH is a 100% subsidiary of DB Mobility Logistics AG.

Our Clients

- Public Authorities;
- State owned as well as private railway companies;
- Regional and municipal transport operators;
- Industrial companies;
- Private investors;
- International and national financing institutions.

DB International – integrated rail-bound transport solutions

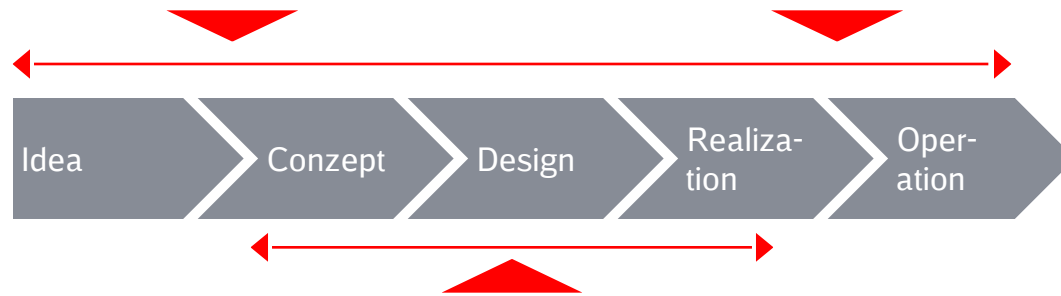
Consulting

Business Consulting

Management consulting in the context of an overall railway system, mobility and logistics; from strategy and concept consultancy through to profitability analysis and process optimization

System Consulting

Technical consulting for integrated and interdisciplinary solutions for all modes of transport



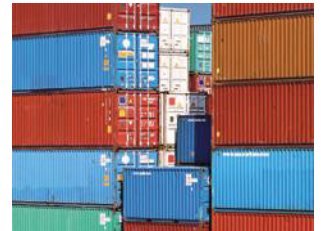
Engineering

Design, project management and construction supervision of infrastructure projects relating to railway specific subjects for structural engineering, equipment engineering and geotechnics

Rail



Logistics



Management



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Danube region – Facts & Threats

The Danube region area:

- ❑ 9 EU countries;
- ❑ 5 non - EU countries;
- ❑ East - West connection;
- ❑ Total area: 1,878,903 km²;
- ❑ Population: 208,572,829.



Possible threats/problems:

- ❑ Condition of rail infrastructure;
- ❑ Lack of interchanging transport points;
- ❑ Unused intermodal potential;
- ❑ Environmental issues;
- ❑ Different level of socio - economic development;
- ❑ Lack of coordination/cooperation among countries.

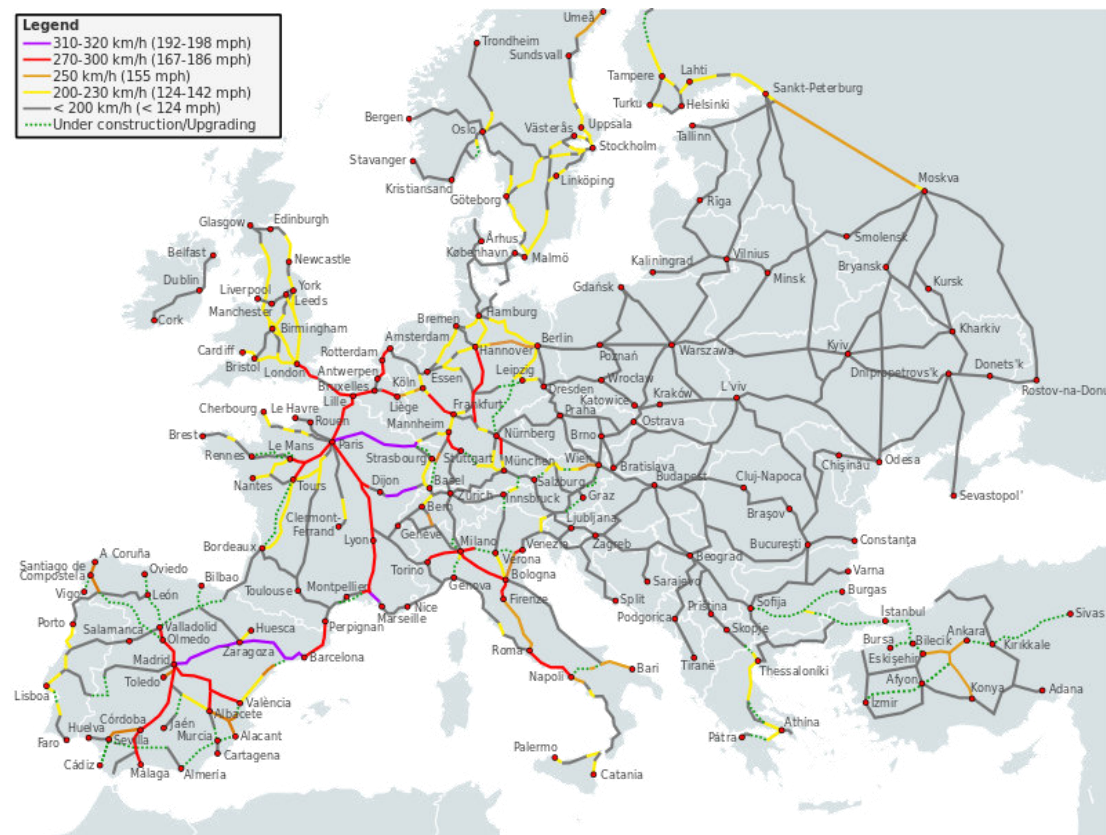
Danube region – Railway network

Priority activities:

- ❑ International intermodal corridors;
- ❑ Optimisation of transport network;
- ❑ Connection rail – port (91 ports);
- ❑ Completion of rail network;
- ❑ Nodal planning (“intermodality”);
- ❑ Intelligent Traffic Systems;

Development instruments:

- ❑ Politics and Strategies;
- ❑ Prioritization;
- ❑ Legislation (Acquis Communautaire);
- ❑ Bilateral agreements and cooperation;
- ❑ Institutional Capacity Building;
- ❑ Sustainable funding;
- ❑ Stimulating measures.



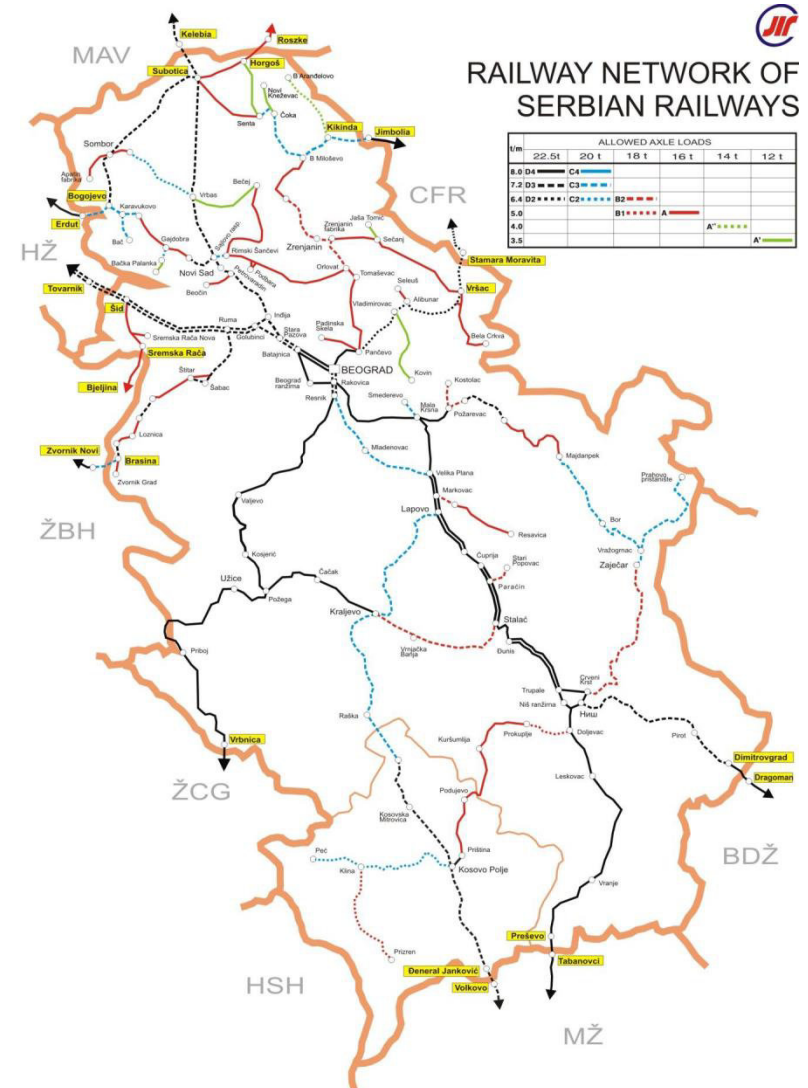
Danube region – Situation in Serbia

Present condition:

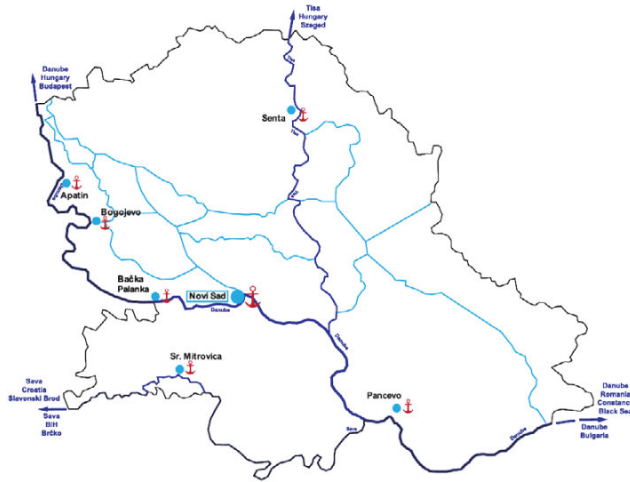
- ❑ 3,809 km of network;
- ❑ 1,286 km (33%) electrified;
- ❑ Maximum designed speed: 120 km/h;
- ❑ 875 km – Corridor X;
- ❑ Design speed ≠ permitted speed;
- ❑ Insufficient supported facilities

Development approach:

- ❑ Strategy planning;
- ❑ “Ad - hoc” solution is not acceptable;
- ❑ Transport Master plan (2009) – 14 priorities;
- ❑ Serbian Railways – Development plan:
 - ❑ Modernisation of the lines (1,963 MEUR);
 - ❑ Railway Management System (RMS);
 - ❑ Rolling Stock.
- ❑ German – Serbian Cooperation Council (19.06.)



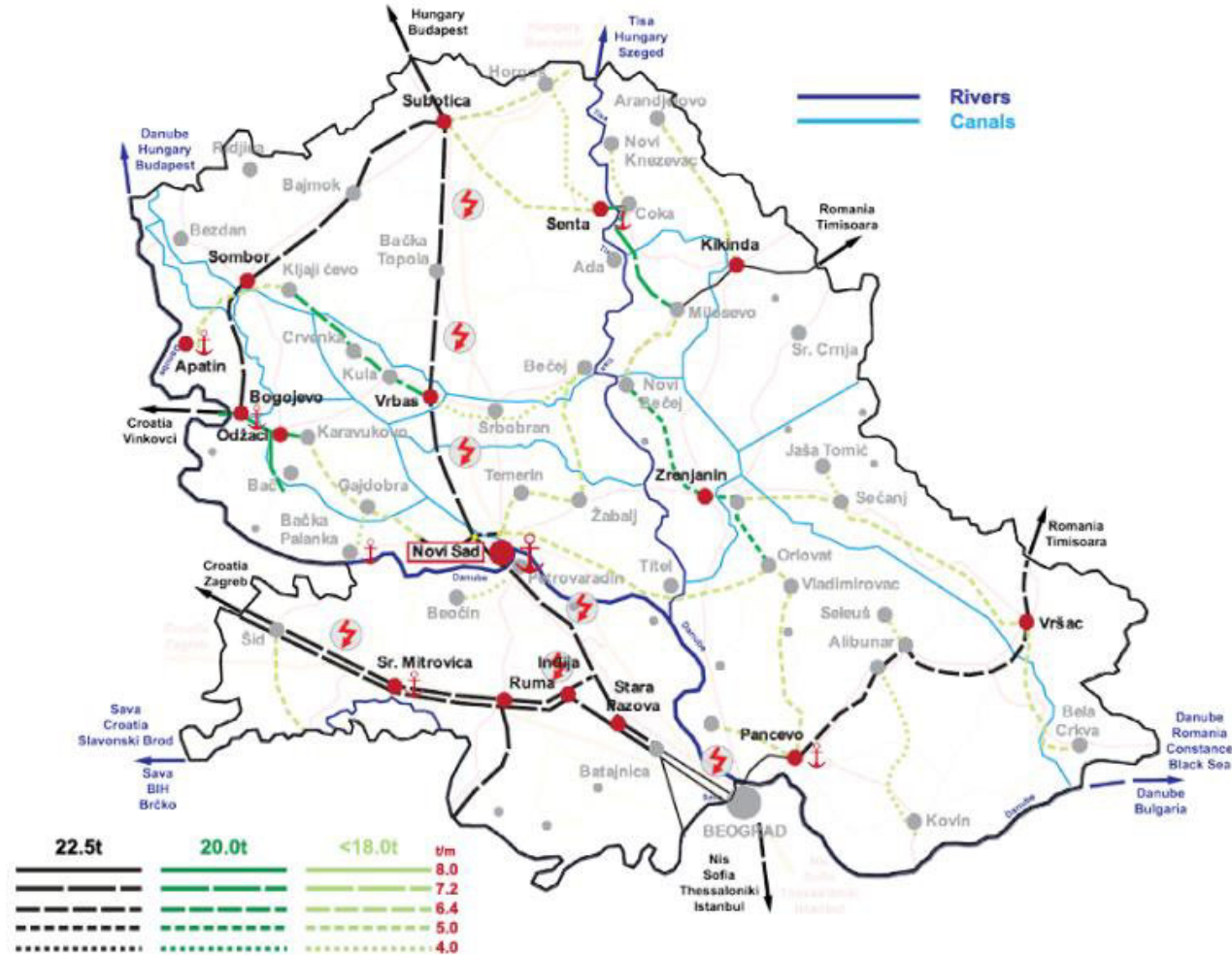
Danube region – Danube in Serbia



Vojvodina: Rivers and Ports

Objectives:

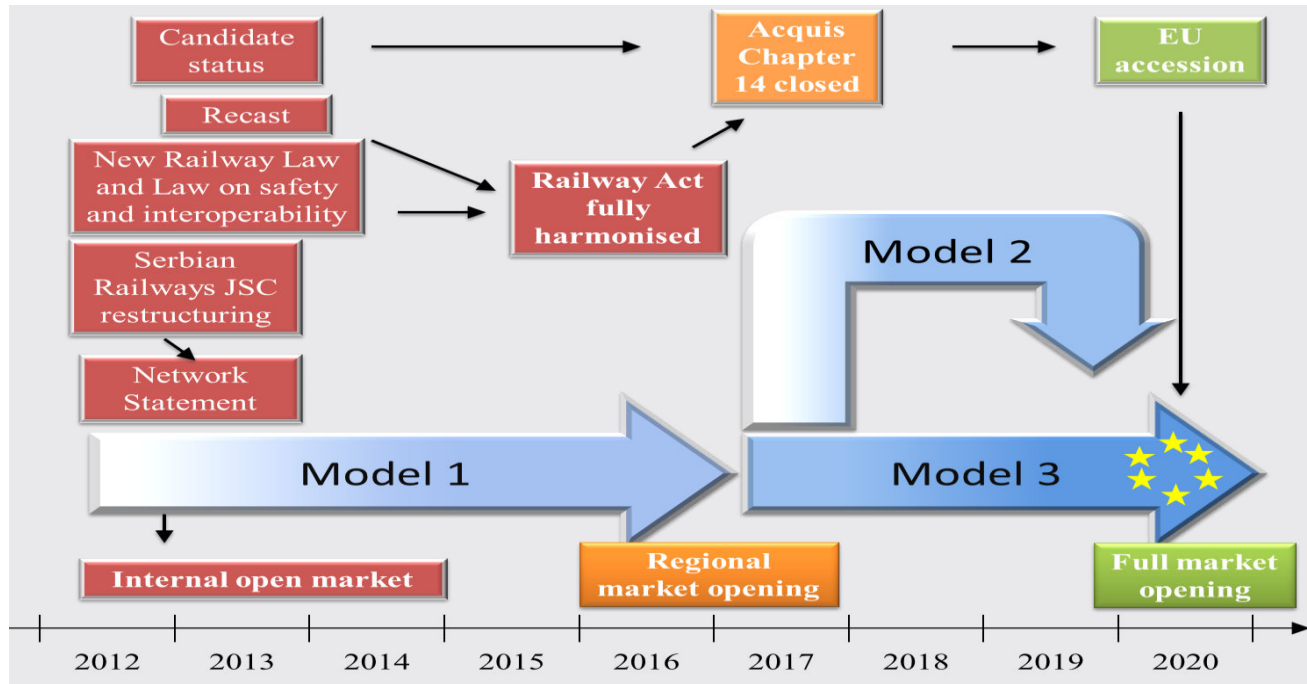
- ❑ Connection ports with railway infrastructure;
- ❑ Preparation of Plans, Studies, Technical documentation.



Vojvodina: Railway/Waterway infrastructure

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Serbia: Development of the Rail Regulator in Serbia, 2011-2012



Status-quo analysis, best practice and EU directives guidelines, Identification of the required economic and safety functions, Capacity Enhancement Plan for DfR

Serbia: Supervision of the design & build reconstruction works of Žezelj Bridge, 2011-2014



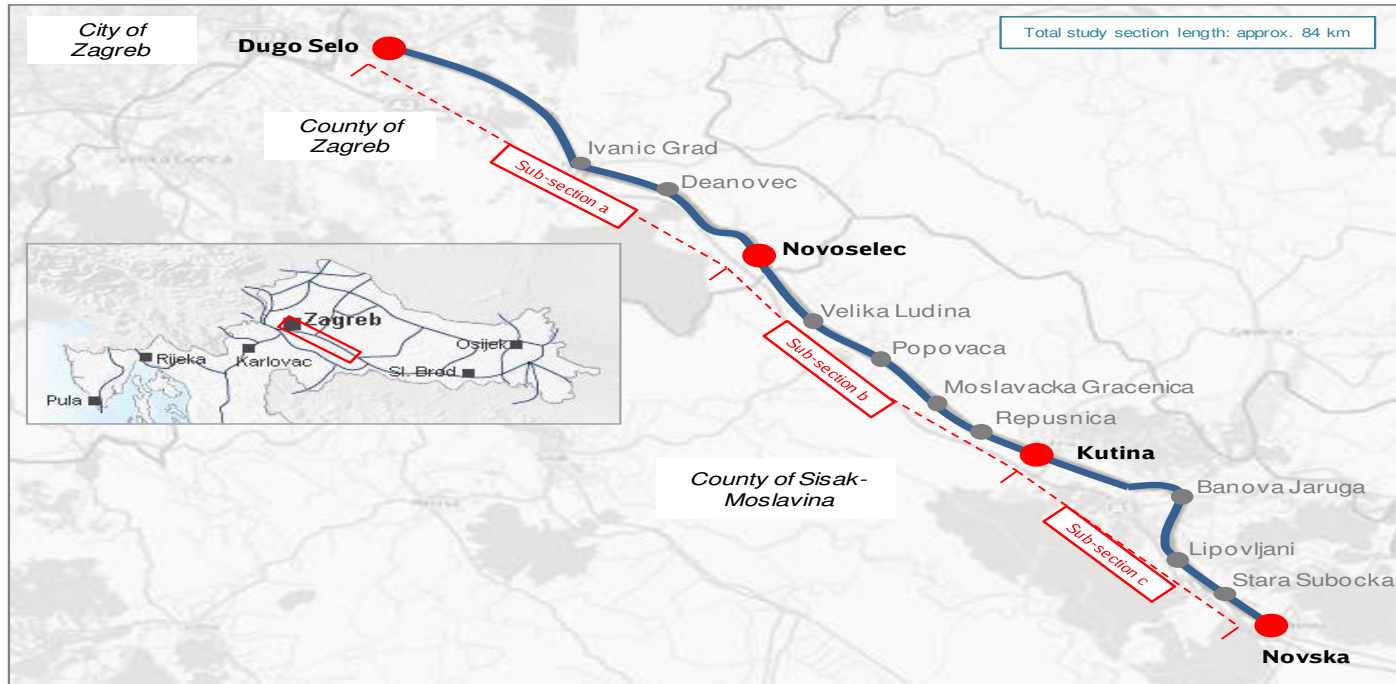
Construction supervision of a 474 m long bridge carrying 2 railway tracks, 2 road lanes and 2 pedestrian/bicycle lanes over the Danube River in City of Novi Sad

Serbia: Facilitating Intermodal Transport in Serbia 2010-2012



Market and Traffic analysis, Institutional framework strengthening, Study Tours, Preliminary design, Business plan, Feasibility study and full Tender dossier

Croatia: Preparation of Design and other project documents for upgrade and renewal on railway line Dugo Selo – Novska, Phase 1 2011-2014



Preliminary design and location permit, Main design and construction permit, Feasibility study including cost-benefit, financial and economic analysis, Environmental impact analysis, Project application for EU funds, Tender dossier for works and works supervision

Croatia: Okučani to Novska Railway Rehabilitation and Upgrade Works Supervision, 2012-2014



Supervision of two separate works contracts assigned to two different Contractors, Civil, Track and Electrification Works (FIDIC Red book)
Signaling and Telecommunication Works (FIDIC yellow book)

Bosnia and Herzegovina: Study on Intermodal Transport, 2007-2008



Preparation of 3 studies : Study on Intermodal Transport in B&H, Study on Demand and Market for River Navigation, Study on TER Compliant Railway Corridor V-c in B&H

Branch offices in the region



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Hvala vam na pažnji!

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