

## Rail Freight Corridor Rhine – Alpine Improving the Infrastructure for long trains Media Journey 17<sup>th</sup> September 2014

Heinz Pulfer – heinz.pulfer@gmx.net

External Consultant for EEIG/PMO

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Download study: <u>http://www.corridor-rhine-alpine.eu/infrastructure-terminals.html</u>

Chart No. 1

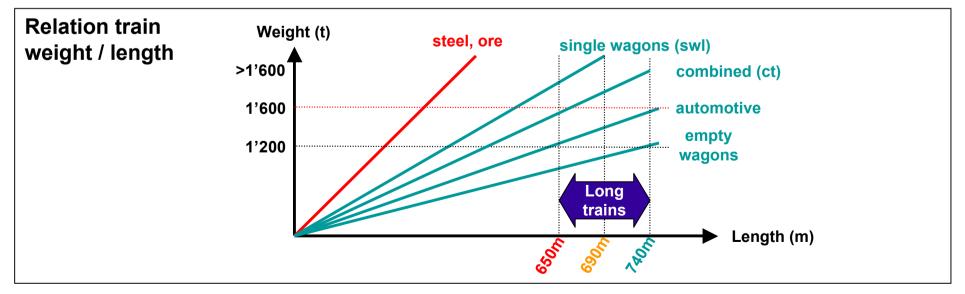


#### **Corridor clients need to improve productivity**

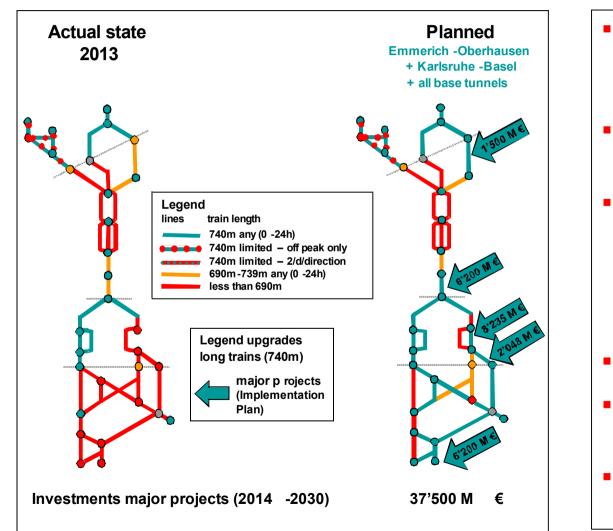
- Upgraded and new line sections (base tunnels) allow faster train paths
- Simple traction one multisystem loco (6MW) takes most trains on entire run
- Trains can be longer by 13% from 600m / 650m up to 740m.

Types of longer trains: Empty wagons / automotive / combined / single wagons.

Definition: Long train is over 650m, up to 740m including loco.



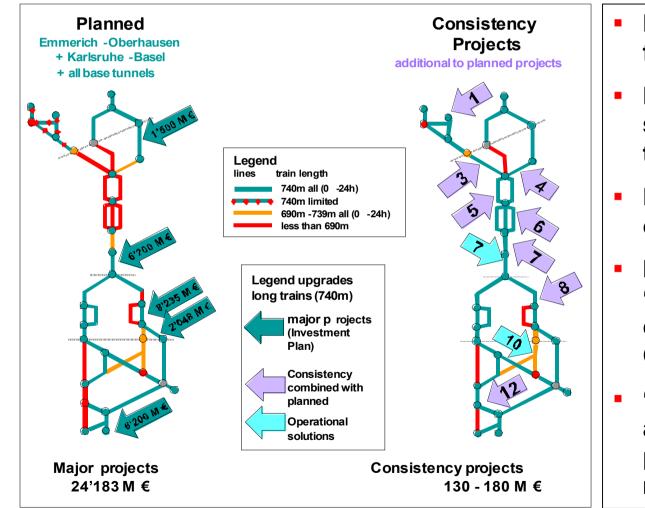




- Many projects in planning or realisation phase
  base for study
- Major projects enable long trains (740m)
- Major projects
  - relief bottlenecks
  - increase capacity
  - improve quality / punctuality
- Nasty hinderings remain
- Limited funding blocks more large projects
- Study other solutions for "missing links"

# Improving the Infrastructure for long trains **3 - Closing the missing links for long trains**





- Detailed national studies for all missing links
- Different approaches for short and medium/long time horizons applied
- No construction projects on short time horizon
- Identified national "consistency projects" combined in study for Corridor level
- "Consistency projects" allow full benefit of major projects for long trains on most line sections.



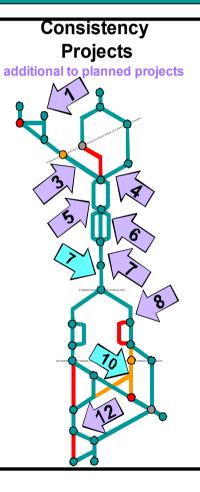
#### Additional investments (130 - 180 Mio. €) allow to open the Corridor for long trains

#### Short time horizon, two operational solutions:

 7 Mannheim – Basel
Opening for some long trains with one project in Basel to be finished

### **10 Luino line**

Time slice operation mode is studied for feasibility.



Medium/long time horizon, eight consistency projects:

- **1** Belgium lines (peak hours)
- 3 Aachen-Köln
- 4 Duisburg-Köln
- 5 Köln-Mainz
- 6 Mainz-Mannheim
- 7 Mannheim-Karlsruhe
- 8 Gotthard North access
- 12 Novara-Alessandria

Plus: Workarounds for the rest of lines sections