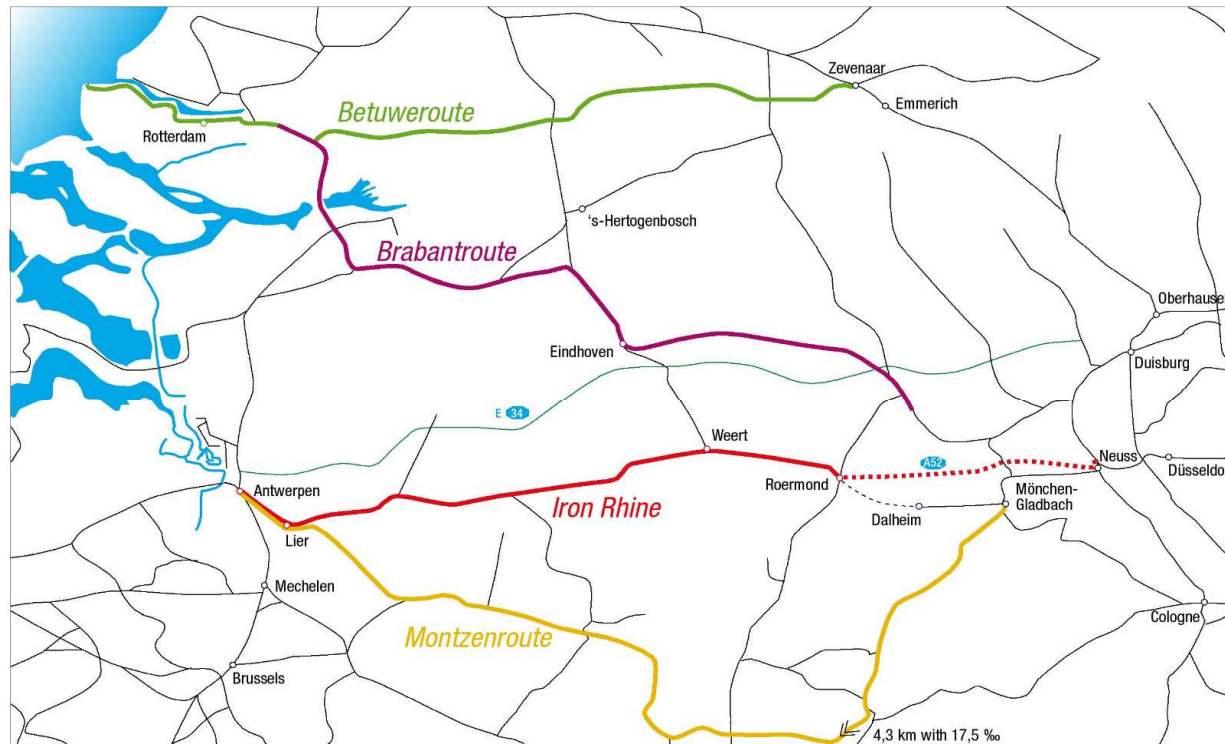


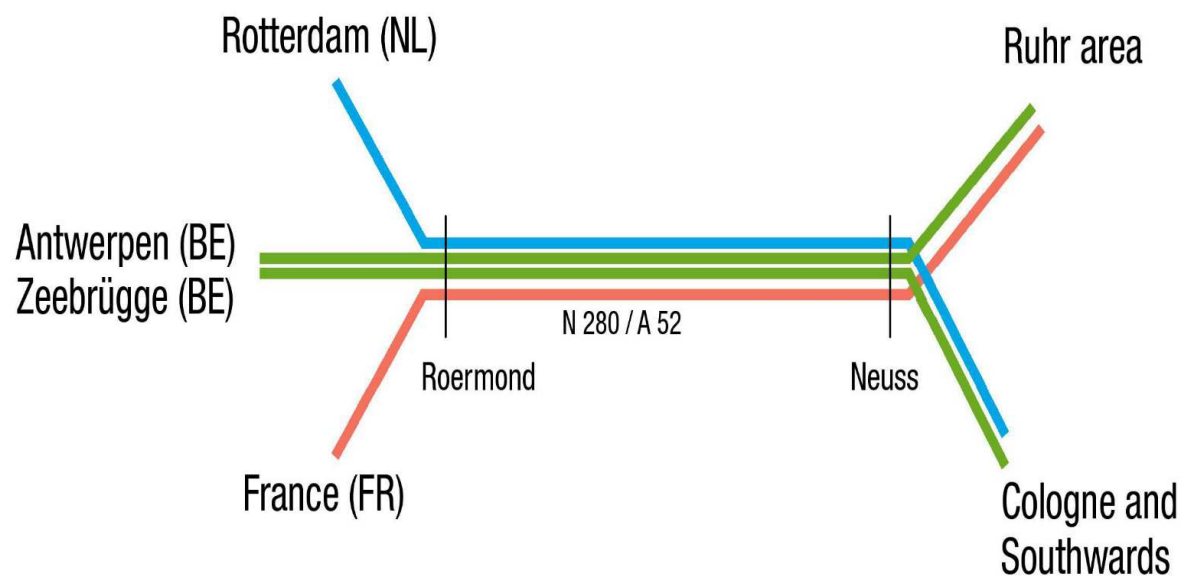
Cross border traffic between Germany, Belgium and the Netherlands



Rail connections between Rotterdam /Antwerpen and western Germany

Ferrmed conference on Tuesday 16. November 2021

Cross border traffic between Germany, Belgium and the Netherlands



The Iron Rhine between Roermond and Neuss parallel to the motorway N280/A52 will play an important role in the TEN-T network

Ferrmed conference on Tuesday 16. November 2021

Cross border traffic between Germany, Belgium and the Netherlands

Important advantage part I for the TEN-T corridor North Sea – Baltic (green lines)

Connection	Existing run route via Montzen (km)	Future run route via N280/A52 (km)	Difference (km)	Shortening compared to Montzen route
Antwerpen – Duisburg in the section Lier – Duisburg	251	181	70	27,8 %
Zeebrugge – Duisburg in the section Mechelen – Duisburg	237	198	39	16,4 %
Antwerpen – Köln in the section Lier - Köln	217	193	24	11,0 %
Zeebrugge – Köln in the section Mechelen – Köln	230	210	20	8,7 %

Ferrmed conference on Tuesday 16. November 2021

Cross border traffic between Germany, Belgium and the Netherlands

Important advantage part II for the TEN-T corridor North Sea – Baltic (green lines)

Avoidung of a gradient of 17,5‰ about a length of 4,3 km between Aachen West and Montzen

We can assume that the average gradient of the new Iron Rhine Roermond – Neuss doesn't exceed the amount of 8,0‰

Ferrmed conference on Tuesday 16. November 2021

Cross border traffic between Germany, Belgium and the Netherlands

Important advantage for the TEN-T corridor Rhine - Alpen (blue line)

Kijfhoek - Cologne	via Betuwe-Route Emmerich - Oberhausen - Düsseldorf (km)	via Breda - Eindhoven - Weert - Roermond - Iron Rhine variant N280/A52 - Neuss (km)	Difference (km)	Proportional reduction compared to run route via Betuwe-Route
	259	243	16	6,1%

Ferrmed conference on Tuesday 16. November 2021

Cross border traffic between Germany, Belgium and the Netherlands

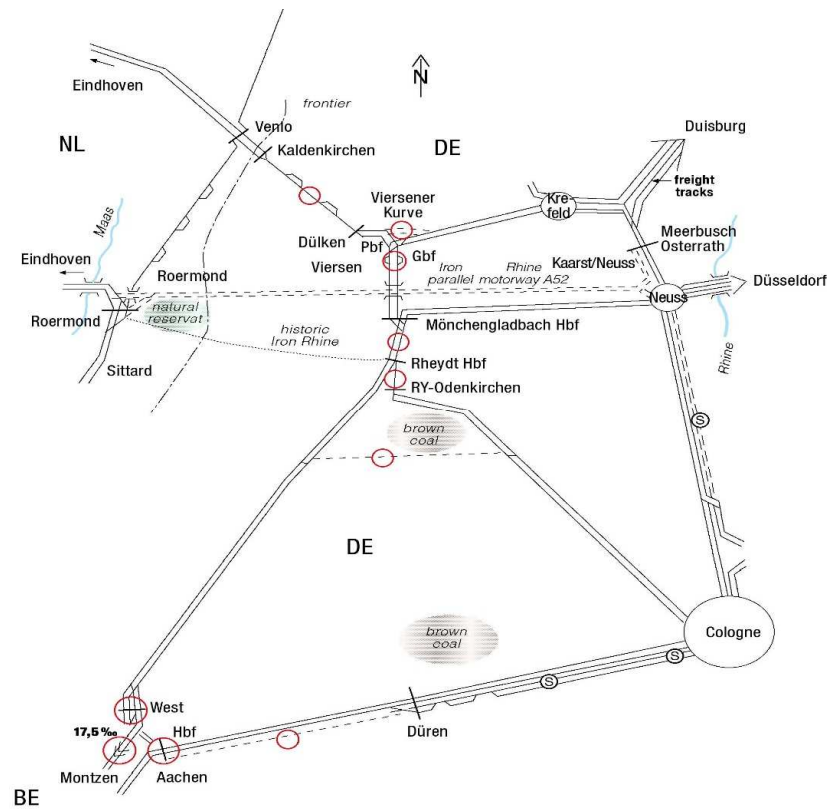
Important advantage for the TEN-T corridor North Sea - Mediterranean (red line)

At present the freight trains from France to the Ruhr area take the run route via Liege – Visé (Maas valley) – Visé (Montzenroute) – Aachen West. This run route contains the 4,3 km long gradient with 17,5‰.

Given the Iron Rhine parallel along the motorway N280/A52 these trains would continue their run route through the Maas valley (NL) and turn into the Iron Rhine eastwards from Roermond thus enabling a gradient of 8‰ for the decisive gross hauled tonnage.

Ferrmed conference on Tuesday 16. November 2021

Cross border traffic between Germany, Belgium and the Netherlands



Ferrmed conference on Tuesday 16. November 2021