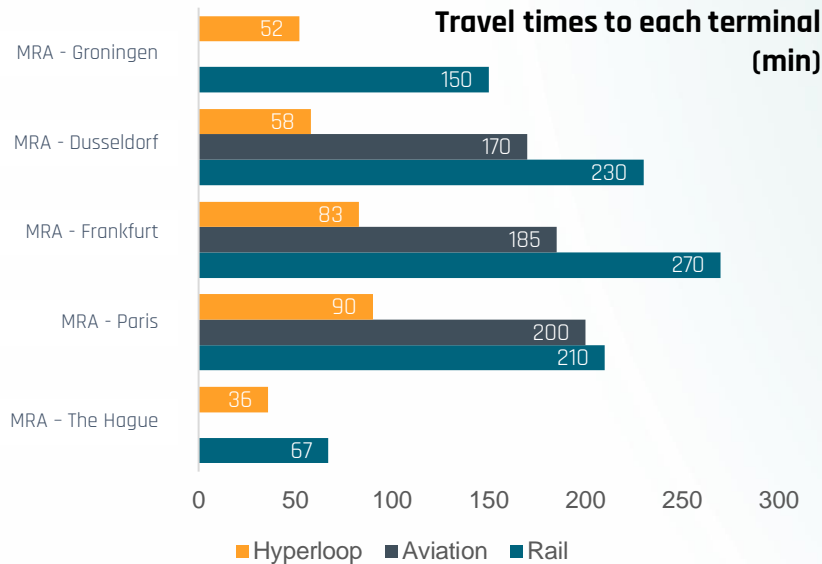


Role of hyperloop on the Development perspective “Compacte Metropool”

The development perspective Compacte Metropool identifies five potential hyperloop routes that focus on maximizing connectivity of the metropolitan area with National and International economic powerhouses. The impact of hyperloop is focused on accessibility, connectivity, substitution and decongestion.

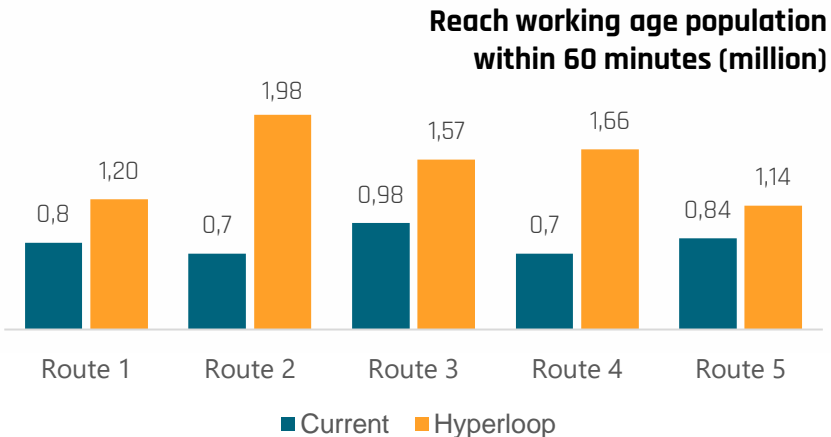
Accessibility

Hyperloop could significantly reduce the overall door-to-door travel time between the MRA and the cities along the five routes. The improved travel time expands and redefines the existing metropolitan system beyond Dutch borders within 60 minutes travel time.



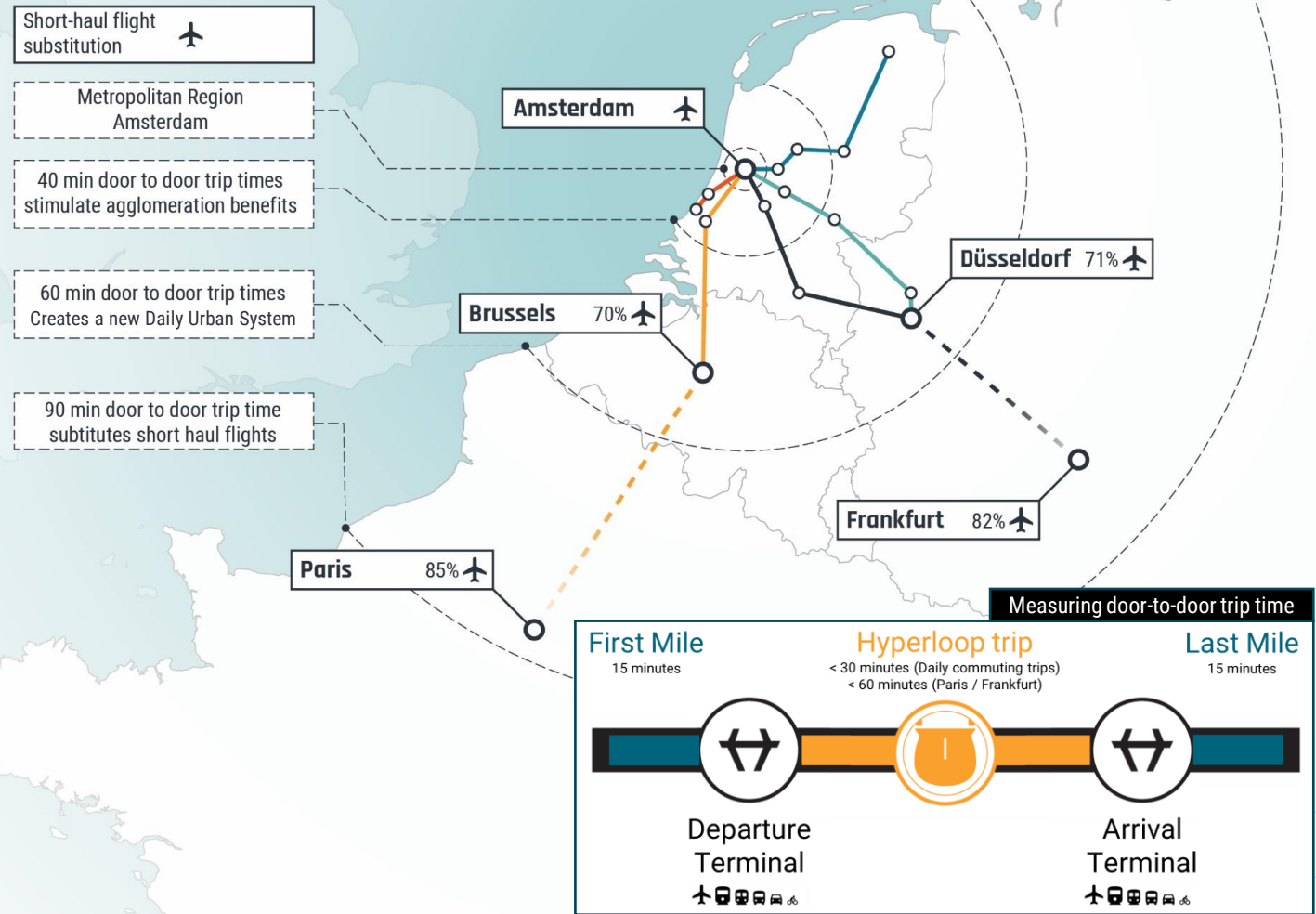
Connectivity

The improvement of accessibility by hyperloop on the five routes could create agglomeration benefits and strengthens the city-pair competitiveness. The connectivity could be improved by a larger reach of working population within 60 minutes door-to-door travel time. Also, a hyperloop connection could connect markets of significant economic value for the province.

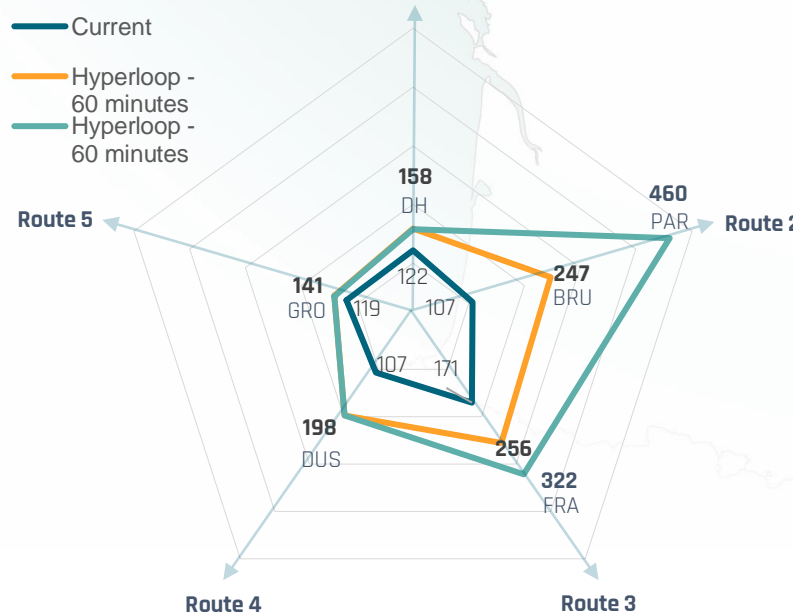


Routes

<40'	>60'	>90'
1. Amsterdam - Leiden - Den Haag	Brussels	Paris
2. Amsterdam - Rotterdam	Eindhoven - Düsseldorf	Frankfurt
3. Amsterdam - Utrecht	Arnhem - Duisburg - Düsseldorf	
4. Amsterdam - Amersfoort	Zwolle - Groningen	
5. Amsterdam - Almere - Lelystad		



Reach of GDP (billion EUR)



Substitution & Decongestion

Amsterdam Airport Schiphol has a strong position as an international hub for the MRA. The WLO-forecast projects a restricted growth of 60% passengers for 2040, equivalent to 4.3 million passengers on the routes connecting international airports in Brussels, Paris, Dusseldorf and Frankfurt.

Substitution of short-haul flights to hyperloop could aid in the airport decongestion of passengers between a total 3-3.5 million passengers equivalent to 20-24 thousand aircraft movements in 2040.