

Johan Lantz



"Avatar Logistics offer sustainable logistics solutions on inland waterways. The geographic business area is in the appointed IWW zons, Lake Vänern and Mälaren."



Owners of Avatar Logistics



Fuel distribution project on Lake Mälaren

- Swedish Maritime Administration found for research & innovation

Project owners

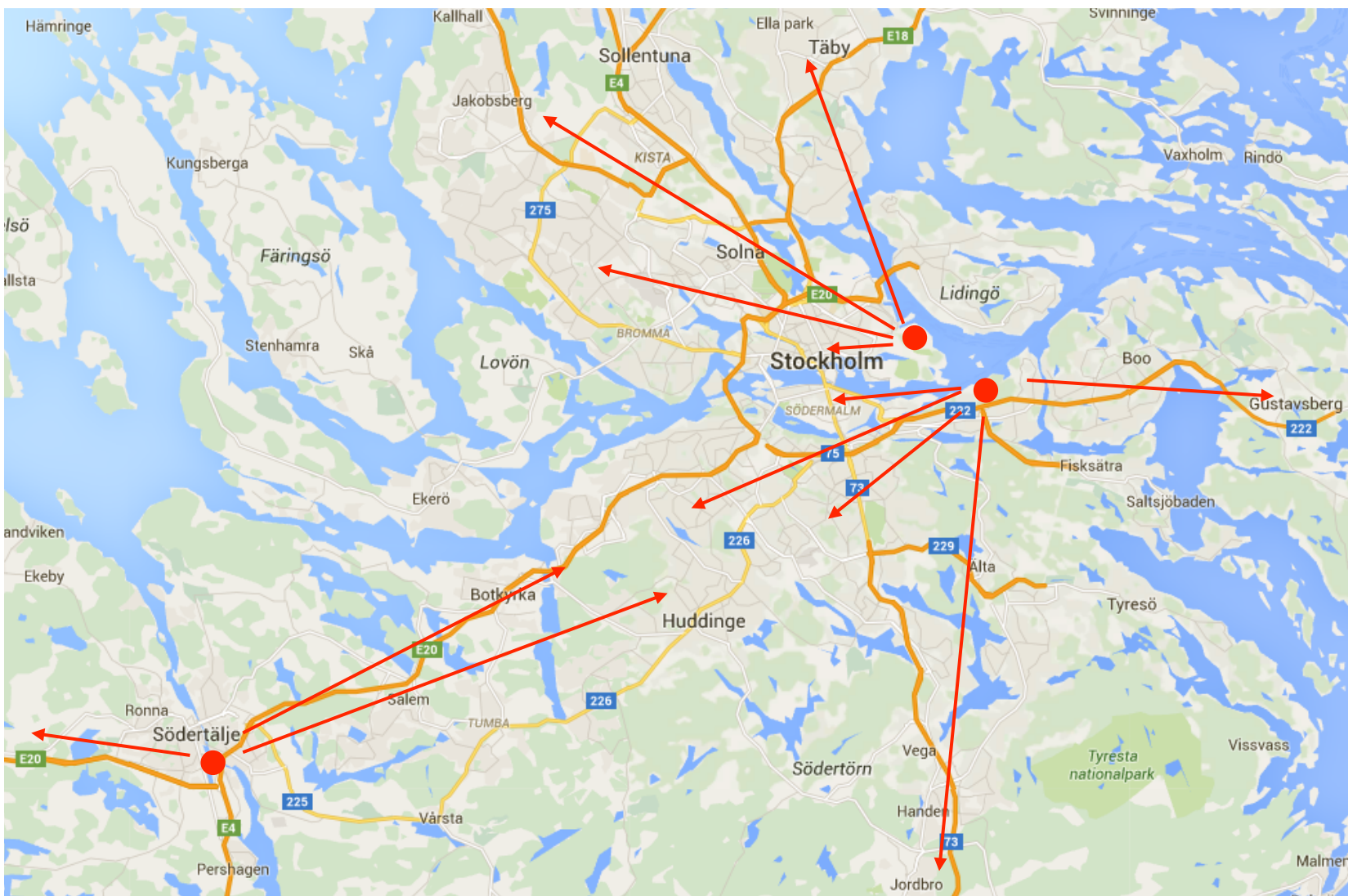
- SWE Maritime Administration, City of Stockholm, Port of Södertälje, SWE Transport Administration, Avatar Logistics

Consultants in 3 areas

- Logistics Model - **Brave Logistics**
- Socio economics analyses - **m4 Traffic**
- Risk analyses – **RagnSells**



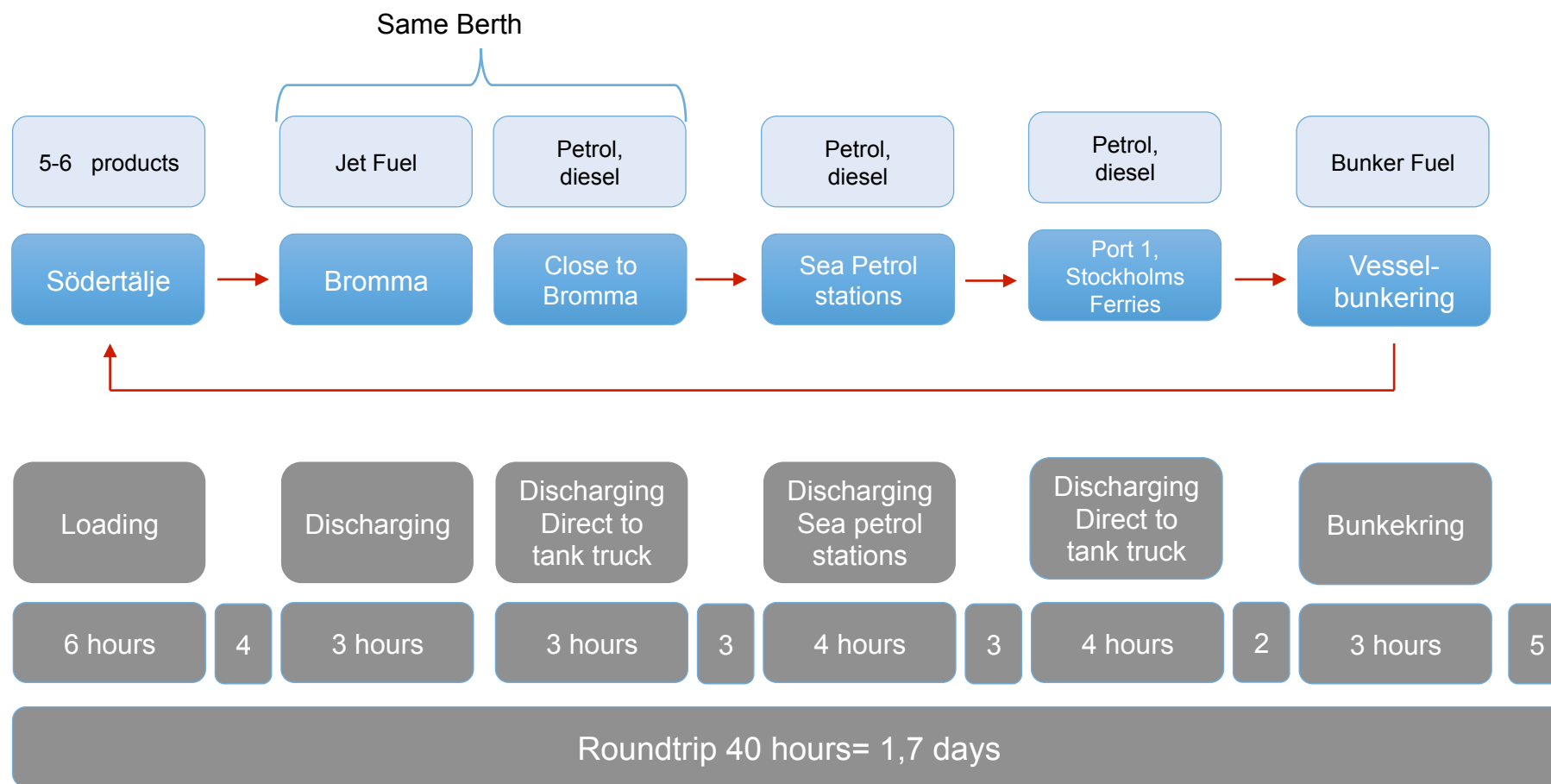
Present distribution pattern



IWW - Distribution scenario



Liquid fuel - Distribution loop by barge



Modern barge fleet



m/v Vorstenborsch



DWT 13.500

L=147m

B=23m

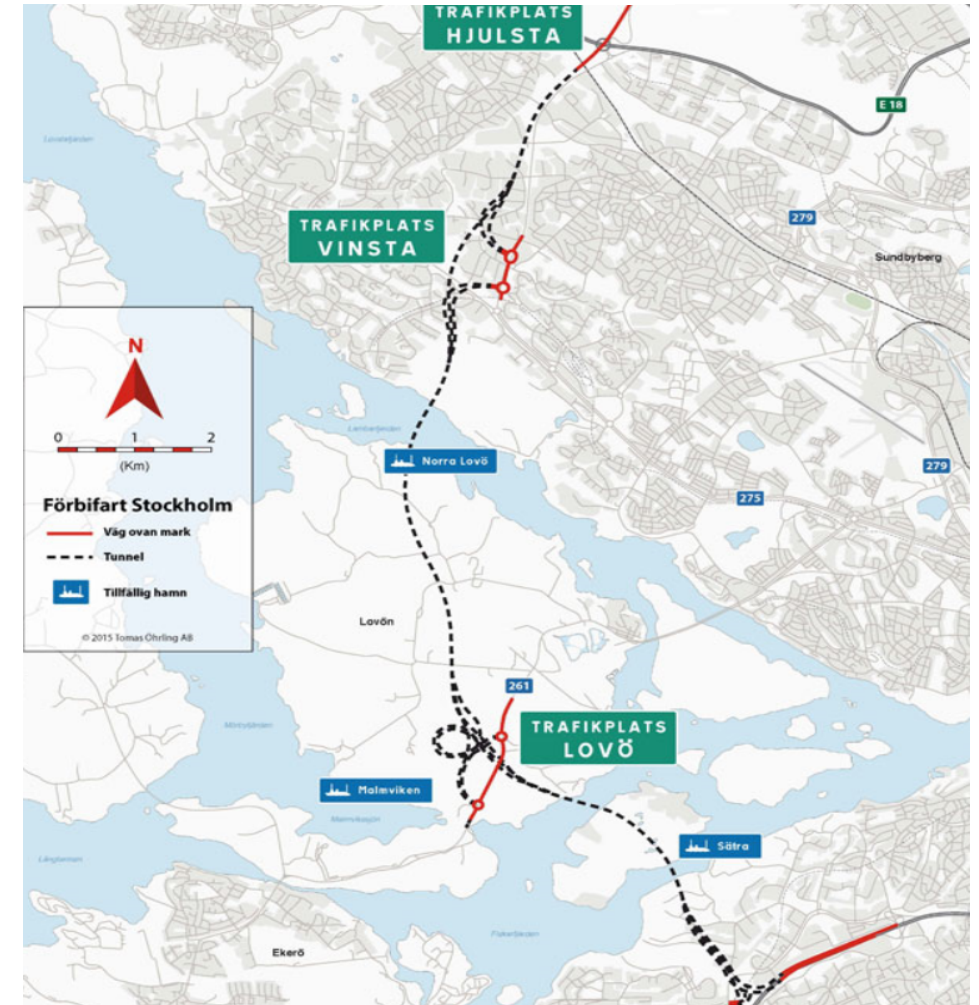


Positive socio economics results

KALKYLSAMMANSTÄLLNING		
	år 2020, Mkr	
	Km-baserat	Dag/VT-baserat
JA (vägtransport samt bunkringsfartyg)		
Vägtransportkostnader	166,3	166,3
Fartygstransportkostnader	4,2	4,2
Summa JA	170,5	170,5
UA (kombination av vägtransport och IVV)		
Vägtransporter (helår)	103,5	103,5
Fartygstransportkostnader (vinterslingan)	8	10
Fartygstransportkostnader (sommarslingan)	10,2	12,9
Summa UA	121,7	126,4
Godstidsvärde (skillnad, helår)	2,5	2,5
Skillnad UA-JA (inkl. godstidsvärde)	-46,2	-41,7
	-27 %	-24 %

Förbifart Stockholm - E4 road by pass

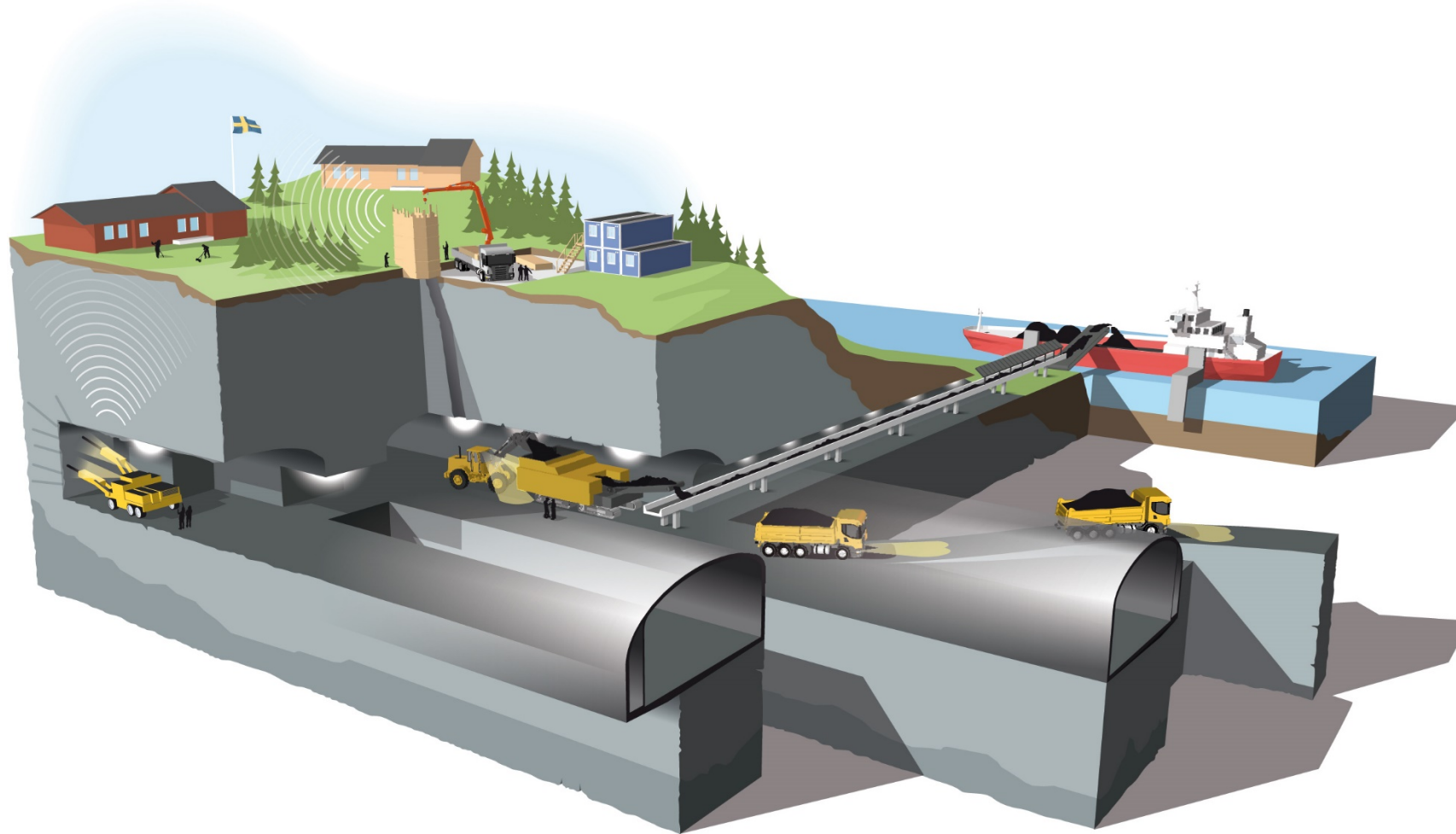
- Biggest infrastructure project in Sweden
- 21 km tunnel – 3 lane motorway
- Total project time - 10 years
- 5 new ports will be established in Lake Mälaren
- 8 Milj ton of crushed stone
- 24/7 operation
- No trucks allowed – Only inland navigation



Planned new ports in lake Mälaren



Cargo handling in Lovön ports



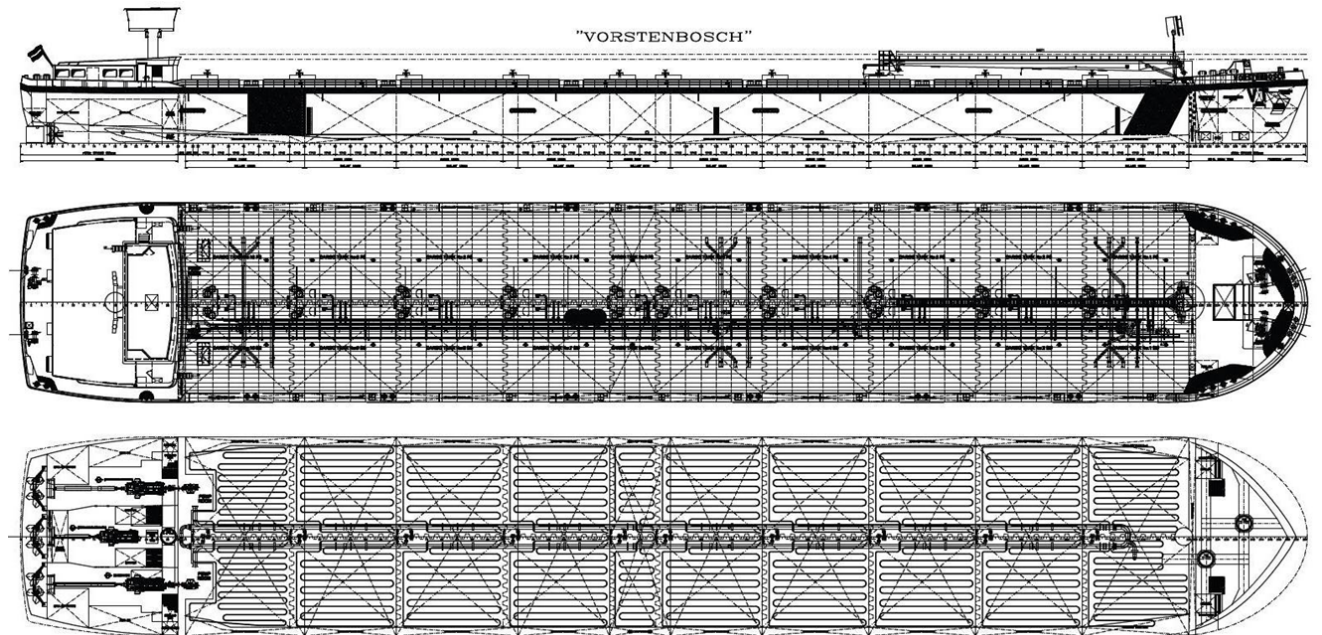
EMMA Interreg Project – Development of Inland navigation

Participants from 5 EU-member states
Start Februari 2016

Swedish participants:

- Transport Administration
- Maritime Administration
- Maritime Forum
- Avatar Logistics

”Avatar Logistics will develop an inland vessel prototype for navigation in ice ”



Kiitos!

