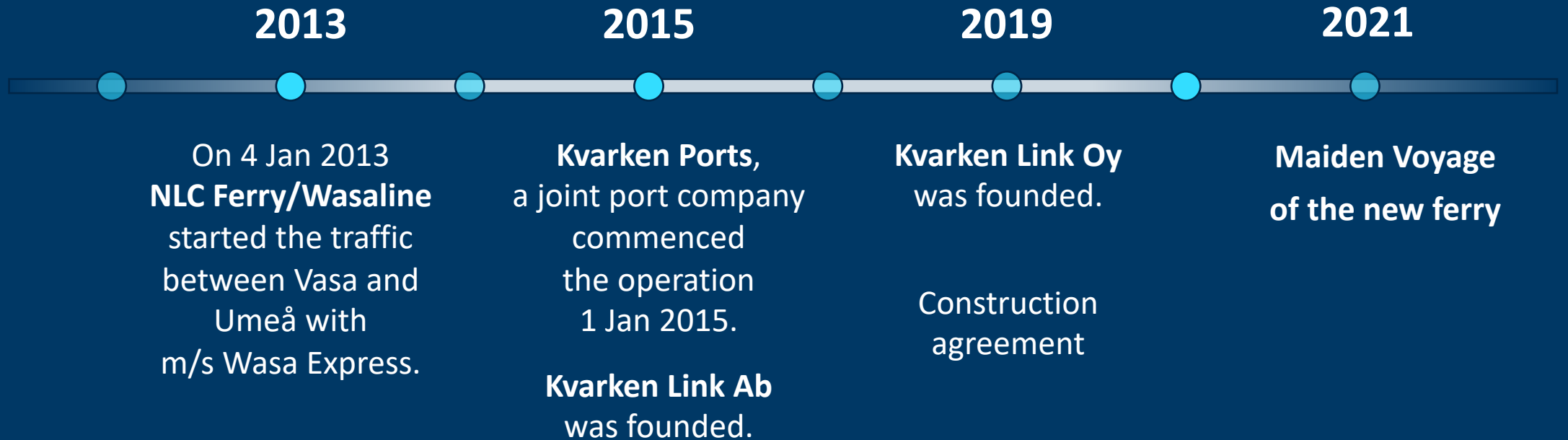


Wasaline Cargo

Building a new generation



HISTORY



All companies are owned 50-50 by the City of Vaasa and Umeå Kommunföretag AB (Municipality)

Wasaline is the northernmost year-round ferry line in the world and the shortest sea way between Finland - Sweden!



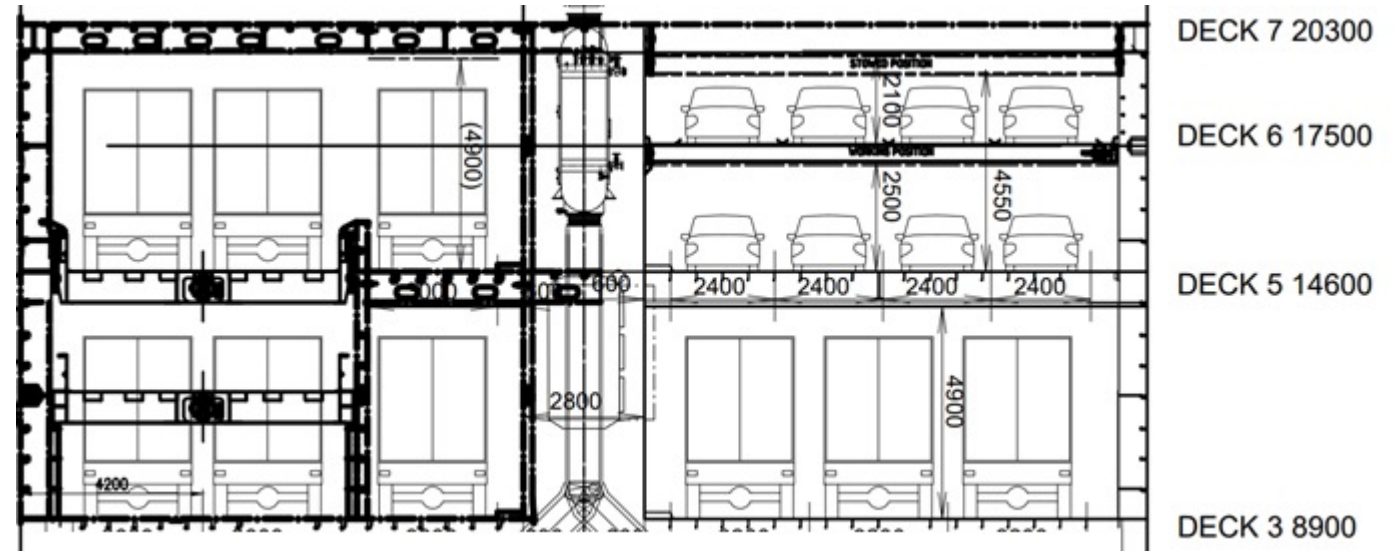
NB 6002 – AURORA BOTNIA

DELIVERY IN MAY 2021

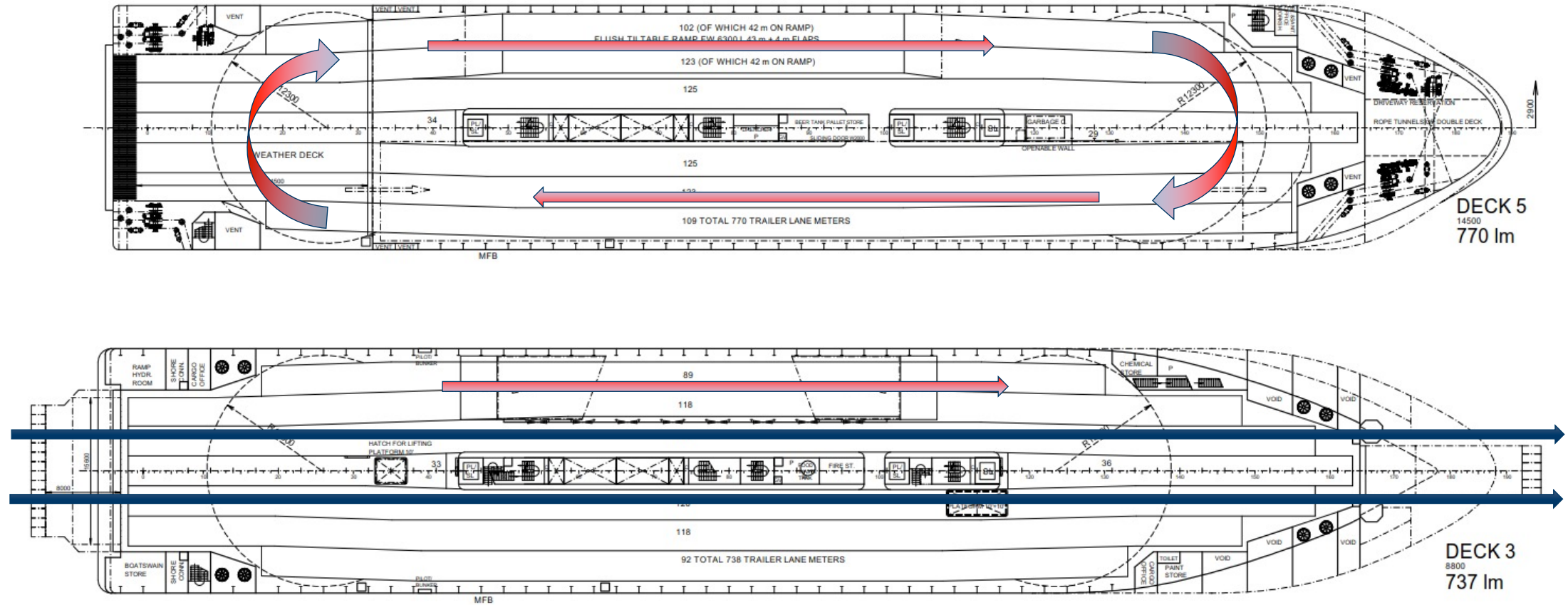
Main Dimensions		Capacities	
Loa	150.0 m	Passengers	800
Lwl	137.8 m	Lane metres	1 500
Beam mld.	26.0 m	Cabins	68
Draught, design	6.10 m	Speed	20 kn
Gross tonnage, about	24 300 t	Public Decks	2
Deadweight, design abt.	3 500 t	Aft ramp width	15 m
Max. persons onboard (LSA)	1 000	Forward ramp width	6 m

BETTER CARGO CAPACITY

Lane meters	1500
Cargo decks	2
Weather deck	
Aft ramp width	15 m
Forward ramp width	6 m
Maximum height	4.9 meters



MORE EFFICIENT CARGO LOADING



ENVIRONMENTALLY FRIENDLY

ENVIRONMENTAL FOOTPRINT

- LNG/LBG solutions
- Catalyst for max reduction of NOx (exceeding IMO Tier III requirement)
- Waste heat and cool recovery to maximize energy use

POWER GENERATION

- 2-stage turbocharged multi-fuel engines (BioGas)
- Power Conversion/ Drives with high redundancy
- Hybrid solution with batteries
- Built in Flexibility to swap or add power sources



PASSENGER COMFORT

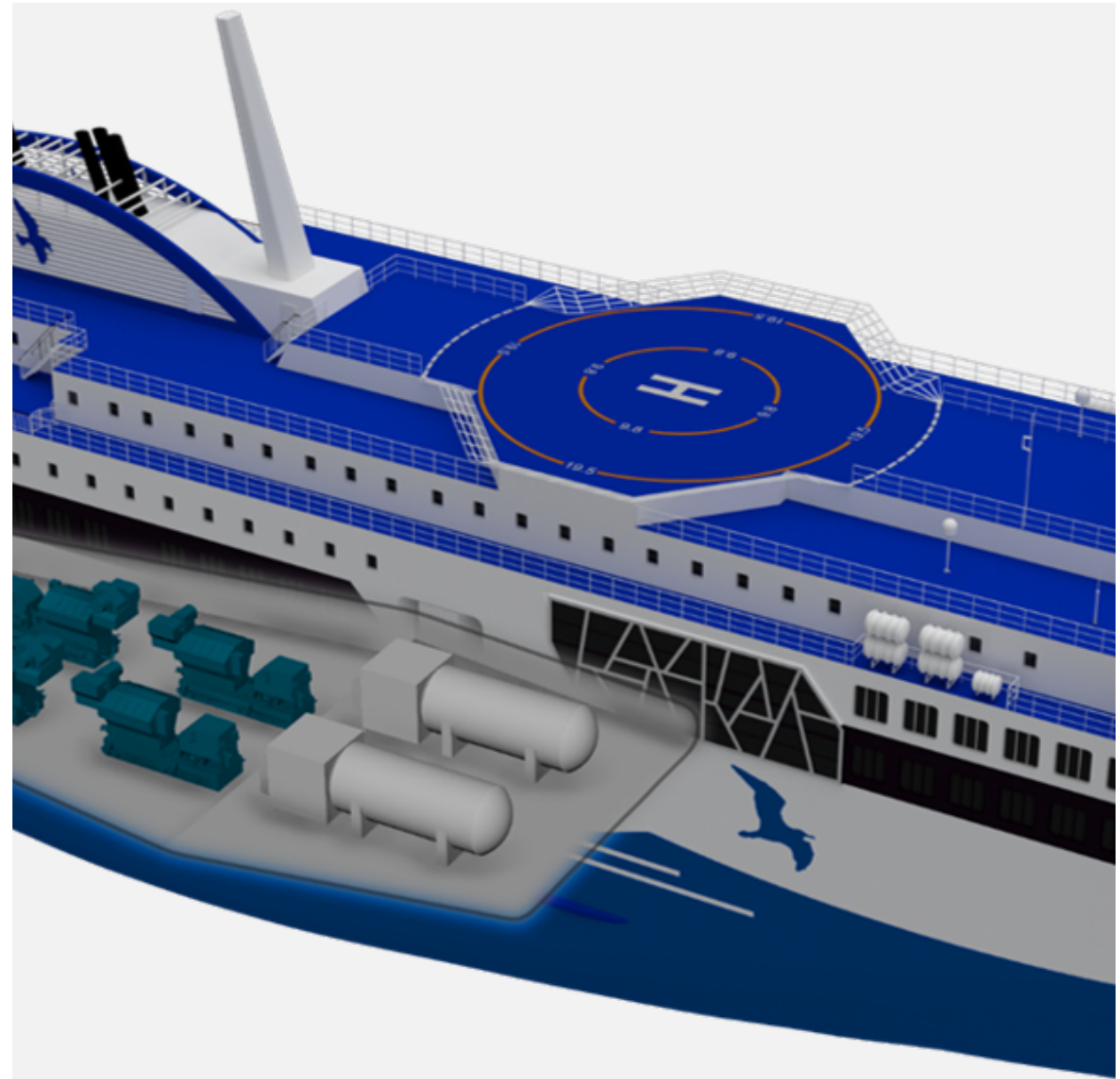
PASSENGER FLOW AND EXPERIENCE

- Flexible use of passenger areas with intelligent ventilation and lighting
- Smart Harbors and automatic registering of cars
- Smart cabins
- Environmentally friendly materials



M/S AURORA BOTNIA - TECHNOLOGY

- Dual fuel with LNG as primary energy source
- Possibility to use LBG
- Electric propulsion drive with Azimuth thruster units
- Battery power for port entry/departure, peak shaving, hotel load and boost power
- Energy recovery and environmental footprint in focus
- Ice Class 1A Super
- Passenger and crew comfort
- SOLAS 2020 and “Stockholm agreement” stability rules
- Marine evacuation system (“no life boats”)
- No separators, green filter technique
- NACOS Platinum navigation
- DNV GL Clean Design



INNOVATIONS IN FERRY TECHNOLOGY

First LNG/LBG battery ship in the world with pods under the vehicle deck

- 2 x Azipod pulling thrusters ABB
- Integrated automation system
- Energy and power management
- NOR catalysators

Wärtsilä Nacos Platinum navigation



ABB
azimuthing propulsion

Danfoss Liquid-cooled 6-MW AC drives for power generation and hybrid propulsion systems

Leclanché Battery Energy Storage

Wärtsilä 31DF Engines

Tank Connection Space with Integrated GUV
LNG tank

VEO electrical cabinets

WE Tech Solutions:

Electrical design and vessel's power generation and hybrid propulsion system, propulsion switchboards, propulsion frequency converters, generators, energy management system, propulsion control system and bow thruster motors

Why choose Wasalines intermodal services.

Intermodal transports are a unique environmental performance in combination with Aurora Botnia. The values below to existing running MGO per transported cargo ton

50%

more energy efficient

67 %

reduction in Greenhouse gases

99 %

reducion in SOx

93 %

reduction in NOx

99 %

reduction in PM

With LNG we have the possibility to offer clients a fossil free transport in combination with railway.

IMO CLASSES



The following classes are welcome:

- 1.4S Small Arms Ammunition
- 2.1 Flammable Gas
- 2.2 Non-flammable Gas
- 2.3 Poisonous Gas
- 3 Flammable Liquids
- 4.1 Flammable Solids
- 4.2 Spontaneously Combustible Solids
- 4.3 Dangerous when Wet
- 5.1 Oxidizing Agent
- 5.2 Organic Peroxide
- 6.1 Poison
- 8 Corrosive
- 9 Miscellaneous

NEW TIMETABLE 2021

Please find timetable from this link <https://www.wasaline.com/en/timetable/>

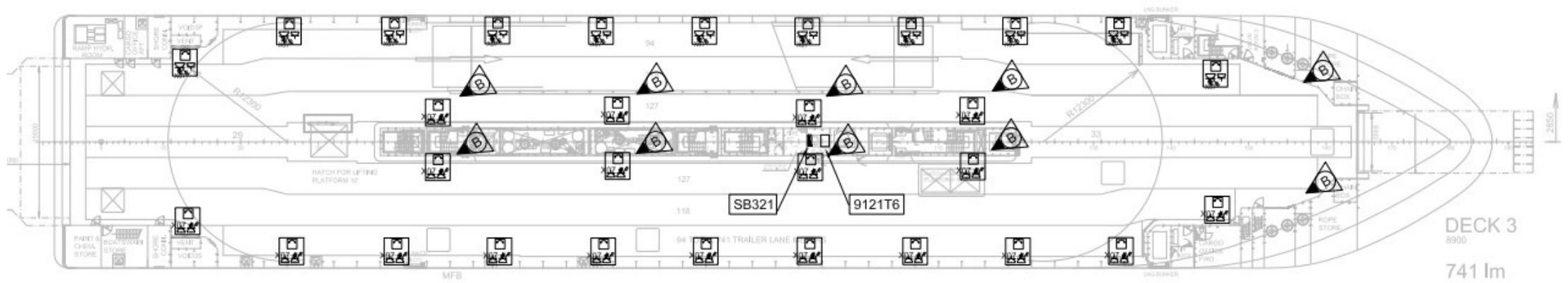
WEATHER DECK

- Weather deck has 5 places
- Maximum 4 vehicles 25.25 meter
- 4.90 maximum height



REEFER PLUGS

- More than 50 reefer plugs available on the cargo decks



UMEA HARBOUR KOMBITERMINAL – CLOSE TO FERRY

S



THE TEAM



Tony Ehres
Director, Cargo
tony.ehres@wasaline.com
phone +358 40 768 1747



Mattias Lindholm
Cargo Sales Manager
mattias.lindholm@wasaline.com
phone +46 73 974 5968

[Booking](#)
cargo@wasaline.com
phone +46 90 185 210 (Sweden)
+358 20 7716 812

Niklas Hertzbole



Kristoffer Pesola



A dash better!

