

# Owning our future



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V O L V O

GREAT TO BE HERE WITH  
YOU!

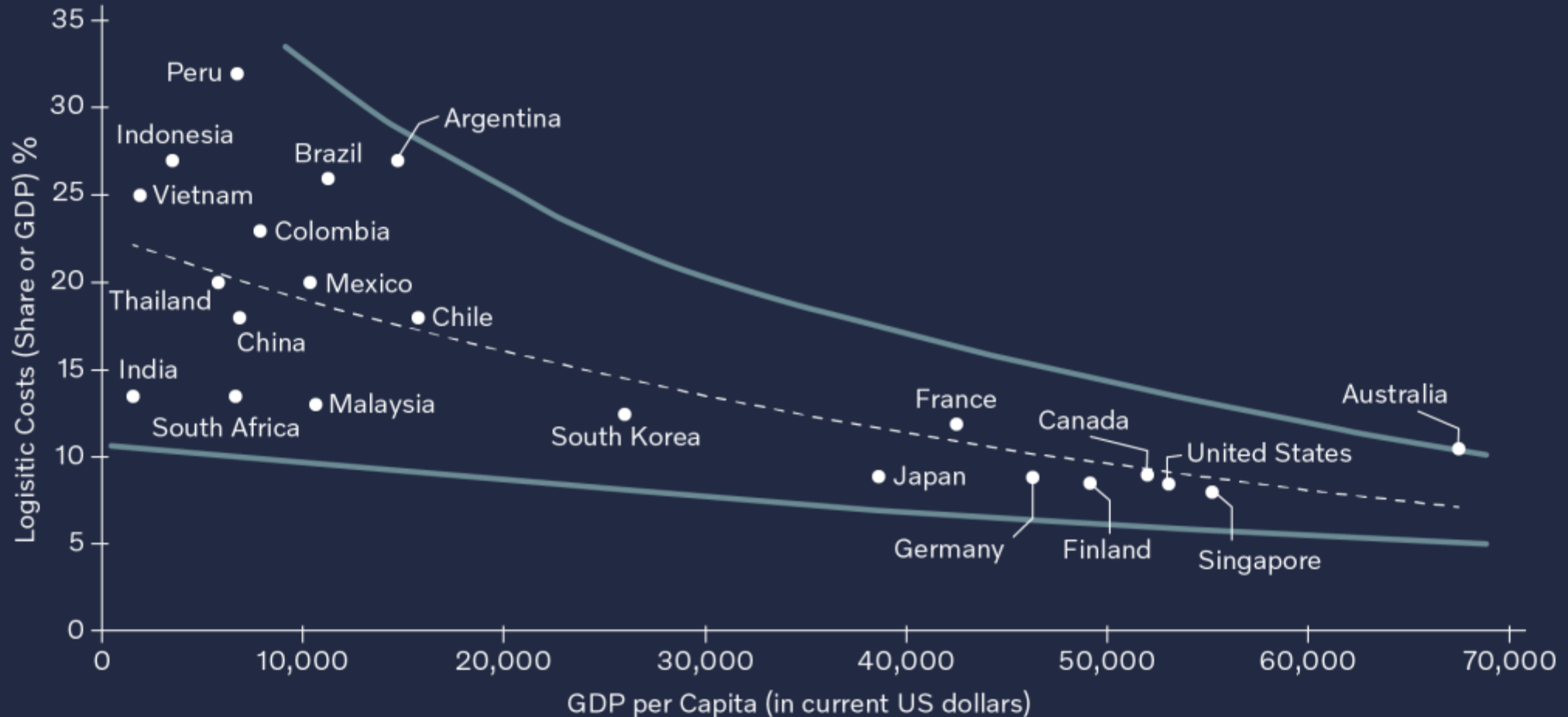




# Road freight volumes expected to grow ~5 times 2010 to 2050



# Advanced logistics systems drive prosperity and GDP per capita



V O L V O

# Long-term ambitions

100

Safe

%

100

Fossil-free

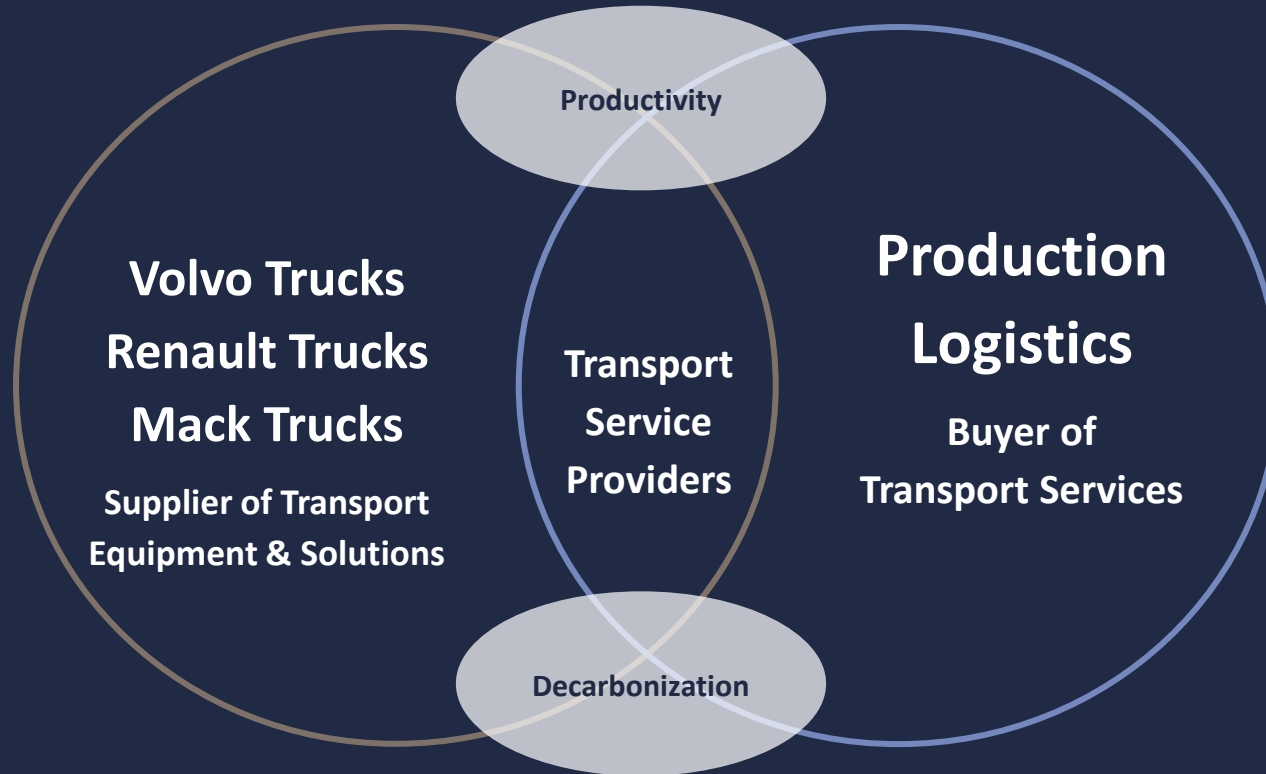
%

100

More productive

%

# Production Logistics



# Flow Productivity Journey



# Intelligent Production Supply chain

OPTIMIZE-IT – PREDICTIVE USE CASE

## SCOPE

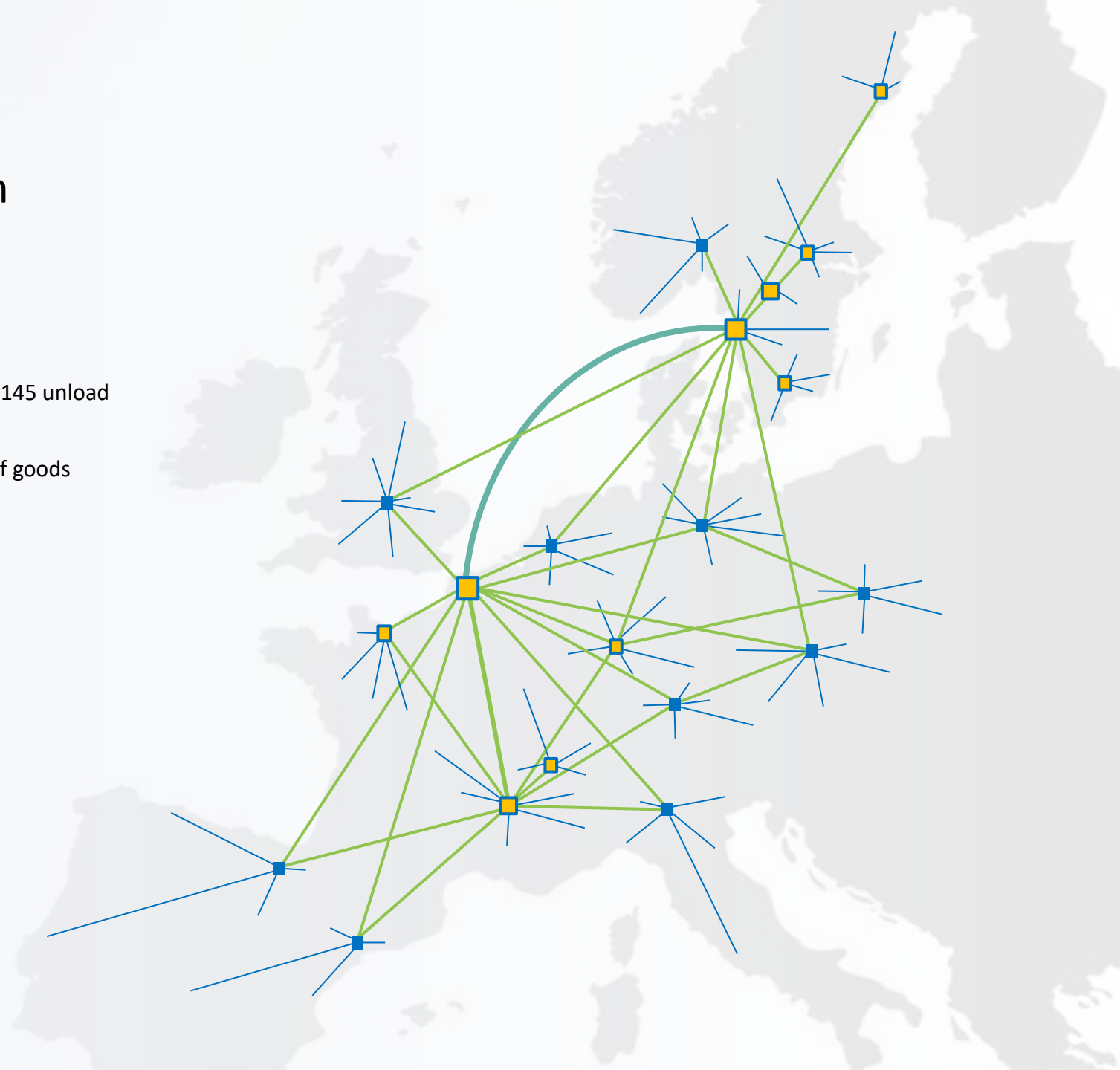
- European transport network connecting 1900 pick-up locations to 145 unload points.
- Annual turnover of approx. 350 MEUR and moves 5 Million tons of goods distributed over 600 000 transport orders

## FROM

- Simple optimization of single transport legs
- Use of historical data
- No structured tool for scenario planning

## TO

- E2E Optimization of the full network
- Network design based on forecasted production programs
- Complex scenario planning for the whole network



VOLVO

# Long-term ambitions

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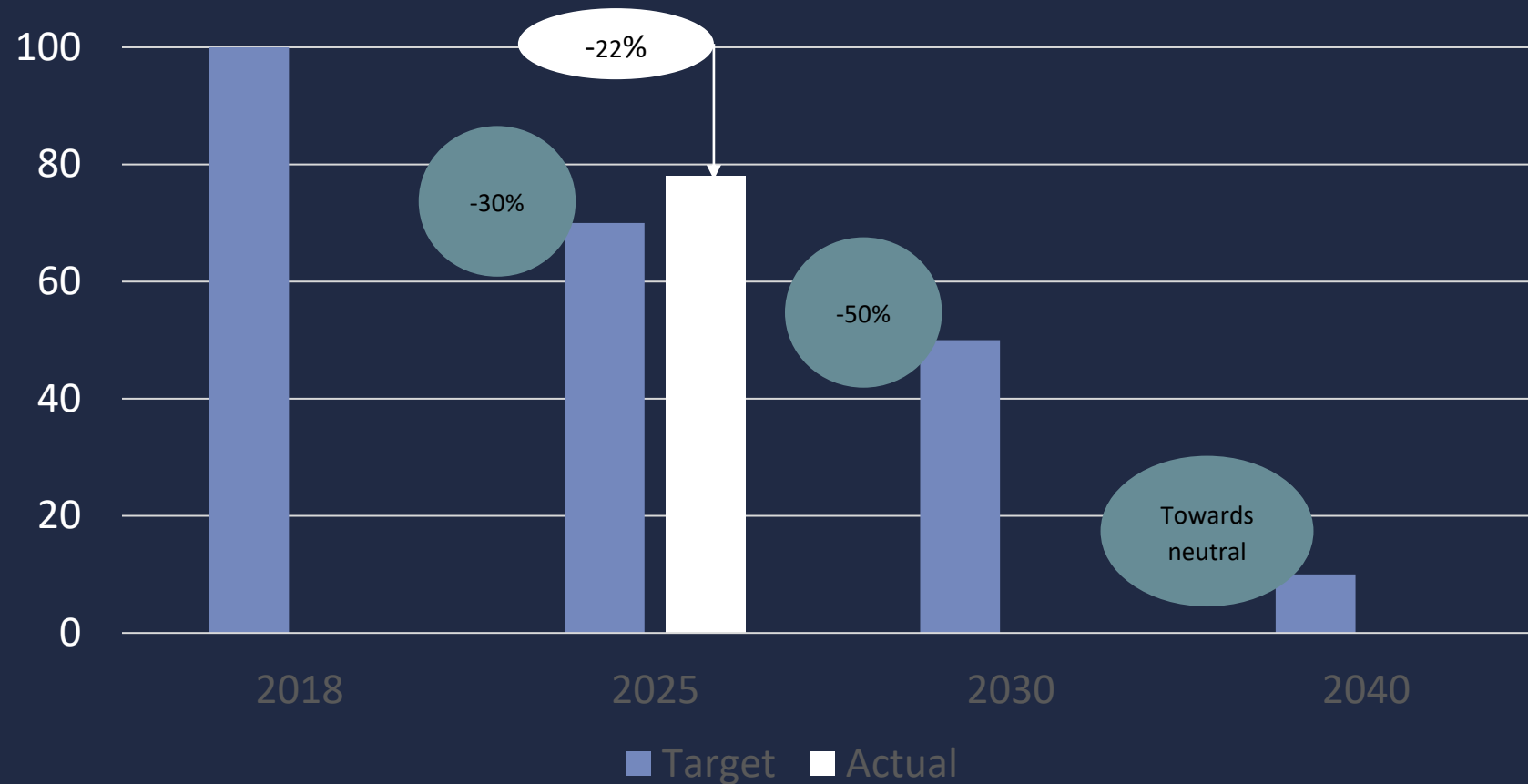
100

More productive

%

# Production logistics transport system footprint ambitions

Co2e reductions target and actual implemented savings



# Road

- Sustainable fuels and fuel efficiency
- BEV "Green corridors"

# Sea

- Marine biofuel and fuel efficiency
- Höegh and Maersk marine bio fuel co- investment

# Air

- Sustainable Aviation Fuel ( SAF )



# The formula for e-mob adoption



E-mob  
adoption rate

=



Product and  
services offering

x



Total  
ownership  
cost

x



Infrastructure

x



Fossil-free  
energy

x



Supply  
network

=



Customer competitiveness  
and peace of mind

# Production Logistics BEV adaptation

Battery electric Vehicules running in own operations

## EMEA

Battery Electric Vehicles  
Nb of Implemented BEV Trucks



154

## NA

Battery Electric Vehicles  
Nb of Implemented BEV Trucks



17

## SA

Battery Electric Vehicles  
Nb of Implemented BEV Trucks



10

## APAC

Battery Electric Vehicles  
Nb of Implemented BEV Trucks



8

BATTERY ELECTRIC VEHICULES – TOTAL 189

# BEV Green Corridor

Just in time components flow – France set up example

JIT flows



22 x Renault Trucks E Tech T300



725 km to cover



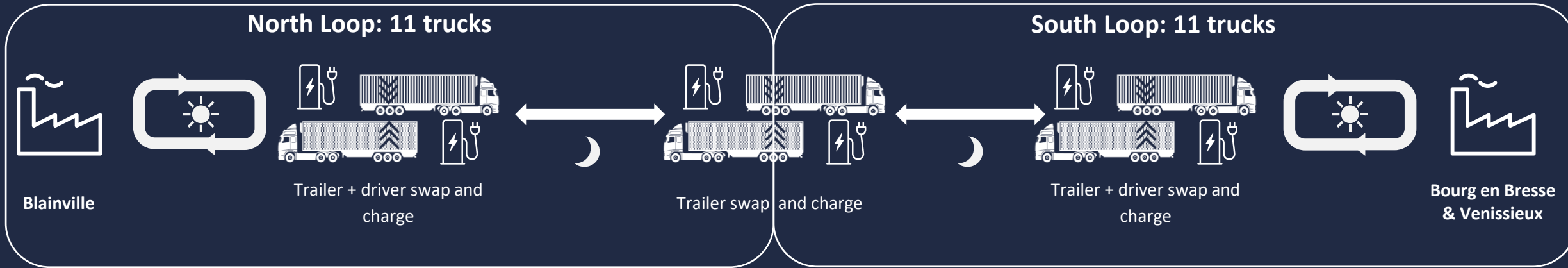
14h Lead time



Maximized tractor daily utilization



Saved 131 CO<sub>2</sub> t /truck



Day 1  
8:30am

Day 2  
11:15am



Explore new logistic set ups to increase utilization and productivity



Work closely with carriers



Carrier Home depot charging



Charge during mandatory rest time and secure high-power charging



Driver back home every day



V O L V O

Together

we shape the world

we want to live in

VOLVO

Thank  
you!

