Europe’s largest public charging network for HDVs is now taking shape

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milence

Founded in

July 2022

Clear commitment to electrification &

zero emissions road transport

DAIMLER TRUCK

VOLVO

TRATON

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Our Mission

Accelerate the transition to **electric heavy-duty vehicles** by building and operating Europe’s largest public charging network

In a market expected to grow rapidly in the next years

Truck availability

Regulatory conditions

Battery-electric heavy-duty truck fleet in Europe expected to grow rapidly to 400.000 reaching 50% market share by 2030

How many public fast-charging outlets are needed in Europe?

11K

Number of public charging outlets required in 2030

Based on our modeling for 15 countries in Europe
And a 30 to 70% public vs depot charging assumption

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However

000

charging locations could cover almost all truck traffic in Europe

1,000 optimally selected charging locations could enable 91% of truck traffic

Fraunhofer

By **2030**

Optimally located, high power stations for faster transion to electrification

Equipped with **Megawatt Charging System(MCS) outlets** providing a mix of high and low power to meet the demand

Energy and power demand

kWh consumption/km	Driving hours	Km/h	Total energy needs (kWh)	Charging time (45/60)	Required charging power	Charging time (30/60)	Required charging power (kW)	High demand scenario (kW)
1	4,5	80	**360**	0,75	480	0,5	**720**	**828**
1,1	4,5	80	396	0,75	528	0,5	792	911
1,2	4,5	80	432	0,75	576	0,5	864	994
1,3	4,5	80	468	0,75	624	0,5	936	1076
1,4	4,5	80	504	0,75	672	0,5	1008	1159
1,5	4,5	80	540	0,75	720	0,5	1080	1242
1	4,5	90	405	0,75	540	0,5	810	932
1,1	4,5	90	445,5	0,75	594	0,5	891	1025
1,2	4,5	90	486	0,75	648	0,5	972	1118
1,3	4,5	90	526,5	0,75	702	0,5	1053	1211
1,4	4,5	90	567	0,75	756	0,5	1134	1304
1,5	4,5	90	**607,5**	0,75	810	0,5	**1215**	**1397**

High demand scenario: +15% energy demand margin, max 30m charge

What is our plan?

1.700

Charge Points

by

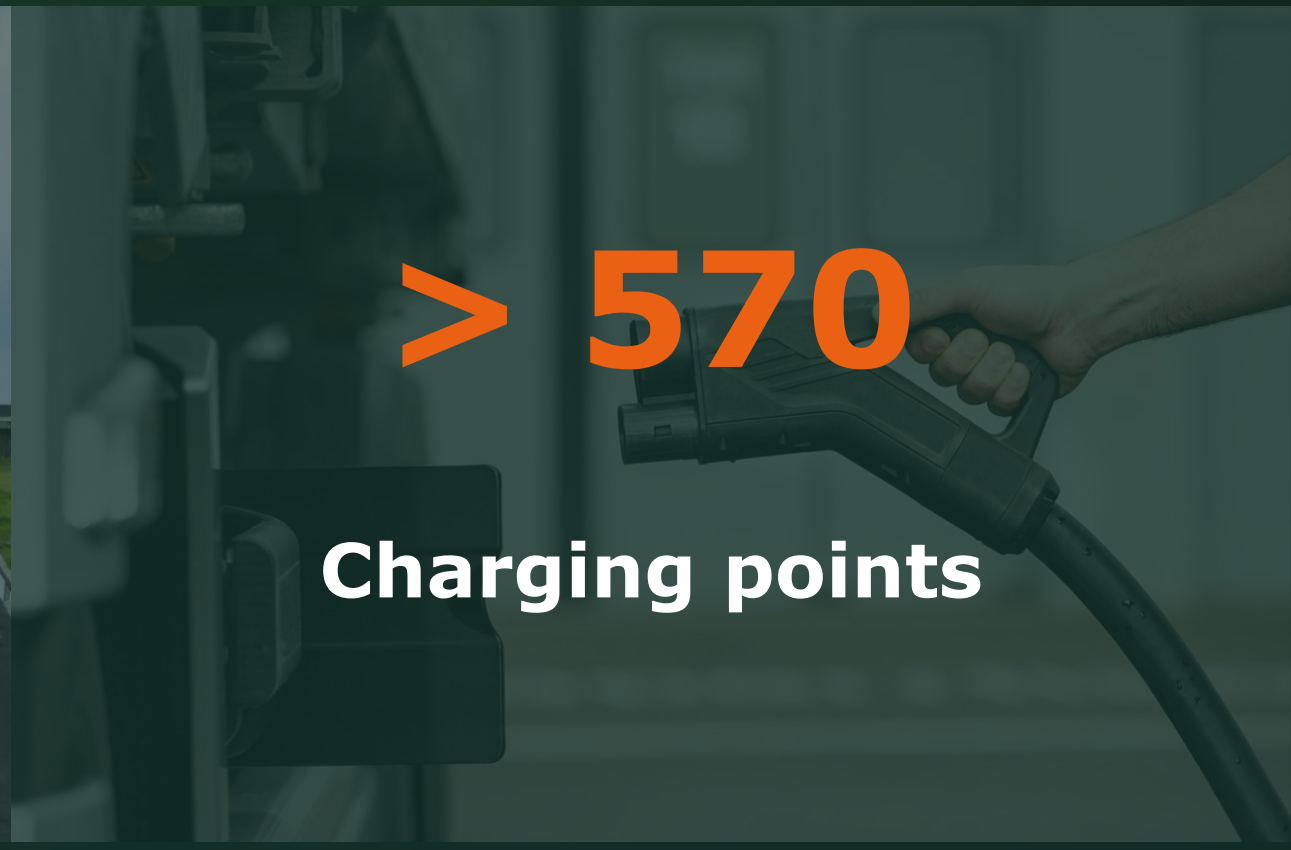
2027

And beyond

Where are we now?

70

Hubs



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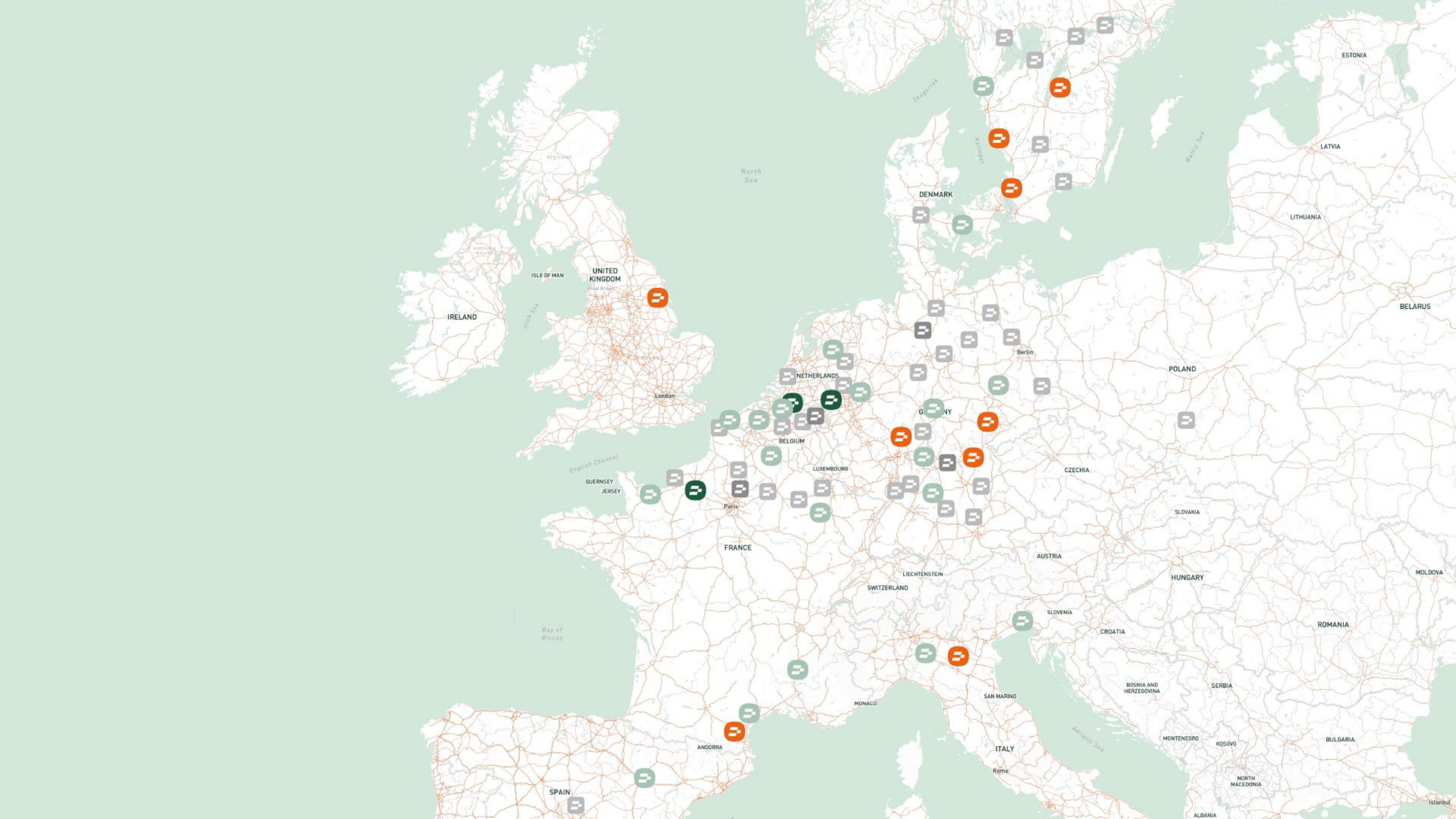
Charging points

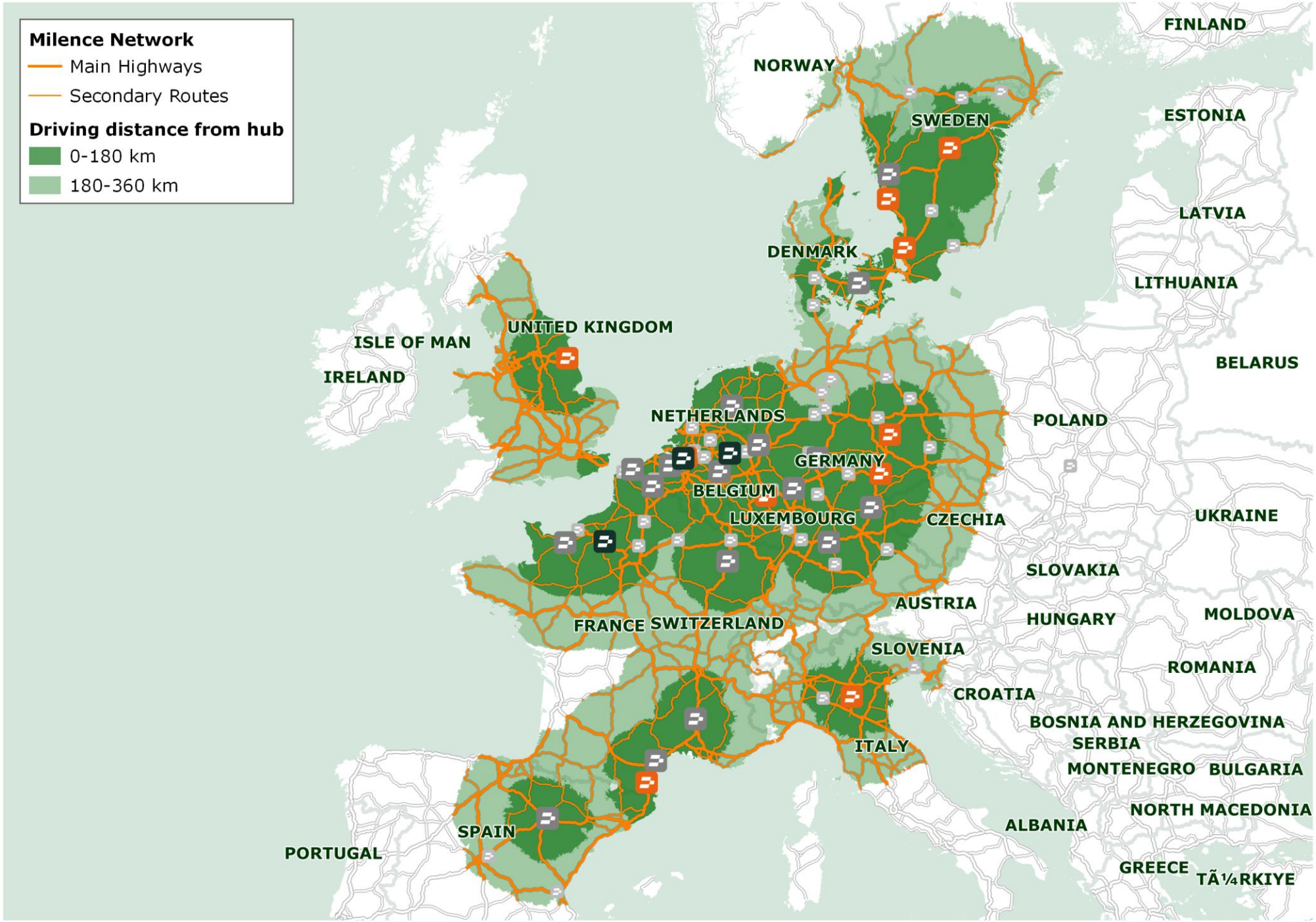
To be operational in the next 18 months


ESTONIA
LATVIA
LITHUANIA
BELARUS
DENMARK
North Sea
Skagerrak
Kattegat
Baltic Sea
UNITED KINGDOM
ISLE OF MAN
IRELAND
Irish Sea
London
NETHERLANDS
Berlin
POLAND
BELGIUM
LUXEMBOURG
CZECHIA
English Channel
GUERNSEY
JERSEY
Paris
FRANCE
SLOVAKIA
AUSTRIA
LIECHTENSTEIN
SWITZERLAND
HUNGARY
MOLDOVA
SLOVENIA
CROATIA
ROMANIA
Bay of Biscay
BOSNIA AND HERZEGOVINA
SERBIA
SAN MARINO
MONACO
ANDORRA
ITALY
Rome
MONTENEGRO
KOSOVO
BULGARIA
Adriatic Sea
NORTH MACEDONIA
SPAIN
ALBANIA
Istanbul

Our Network

Along the TEN T Corridors

Enables the Electric Routes

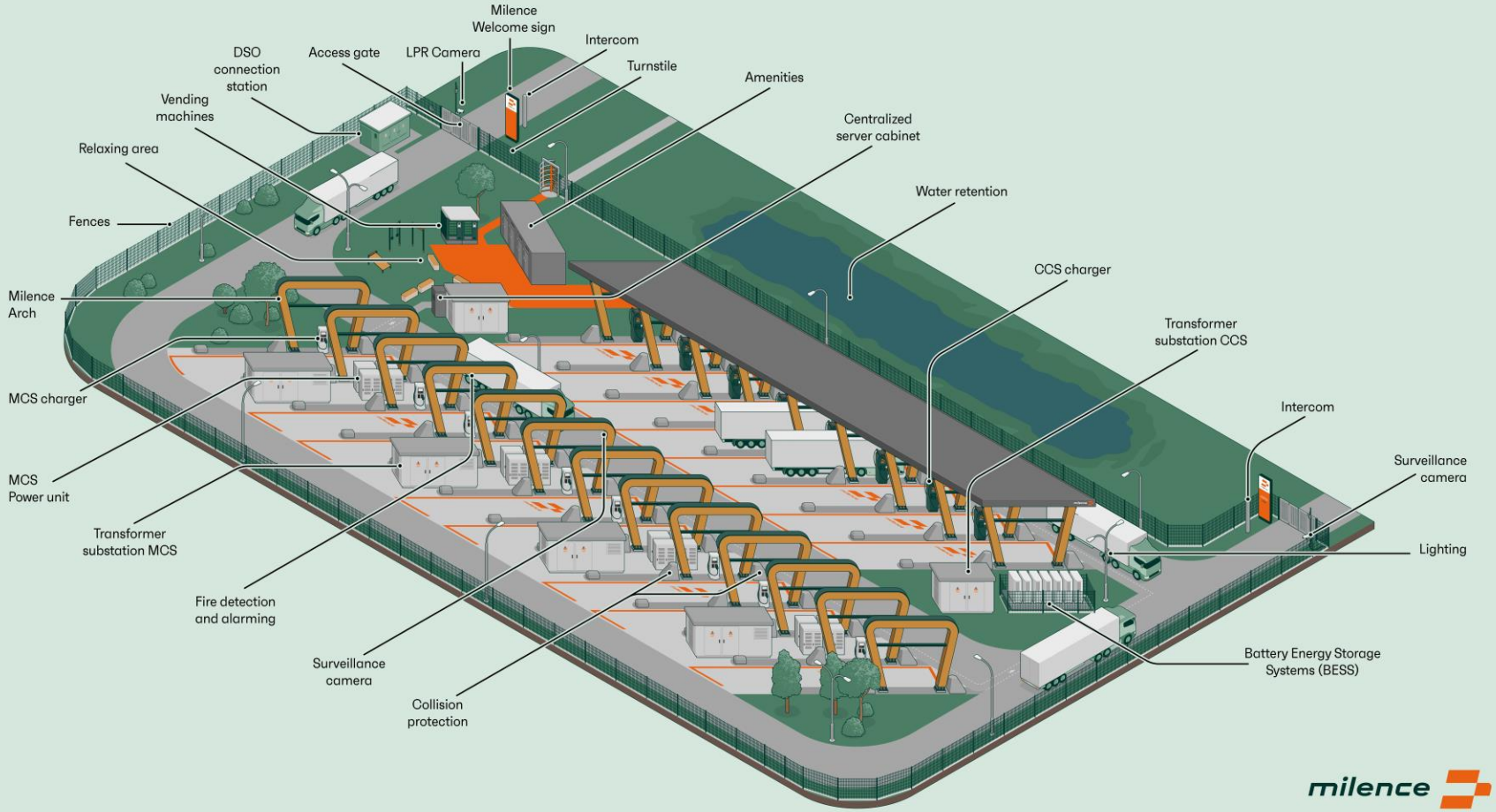


The Milence Charging Hub

A safe space for a seamless charging experience

Charging hubs

- Maximum 5 mins drive away from next highway access / exit
- Minimum size of plot 5000 m²
- Accessible by public road
- 24/7 open and accessible
- Minimum obtainable grid connection 2MW (preferably 4MW)
- Long term (>20 year) lease or purchase
- Along major HDV routes generating traffic



Skillful engineering

In-depth view of a Milence Charging Hub: multiple layers and components, all indispensable in ensuring a seamless and reliable experience for drivers of electric heavy-duty vehicles.

With the fastest charging solution

Milence has committed to install and operate MCS(Megawatt Charging System) at 5 hubs in the coming months.

And an easy access to the Milence network

Transport company

1. eMobility Service provider (eMSP)
2. CPO(Charge Point Operator) Services
3. Direct payment (Milence App & Payment Terminal)

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Pricing currently starts at 39,9cts/kWh at all Milence hubs

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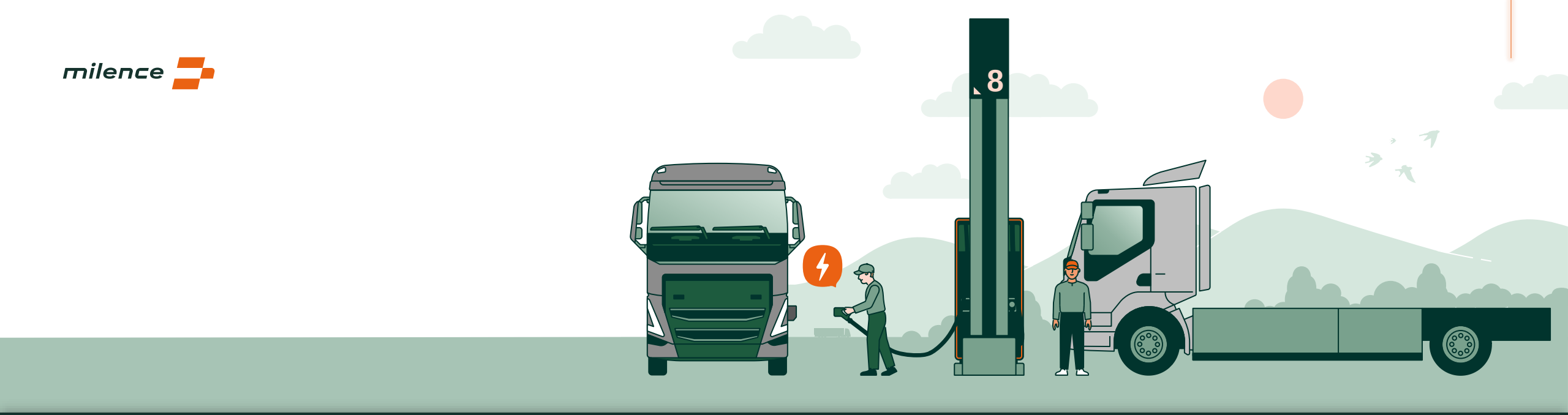

What’s next?
Booking

Every truck operator and truck driver will have the option to **find and book a charging slot** at the Milence Charging Network guaranteeing a **charging opportunity** as they **plan** their route.

1st tests and market roll-out planned for end of 2024.


We make electric road transport a reality!
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Thank you

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