

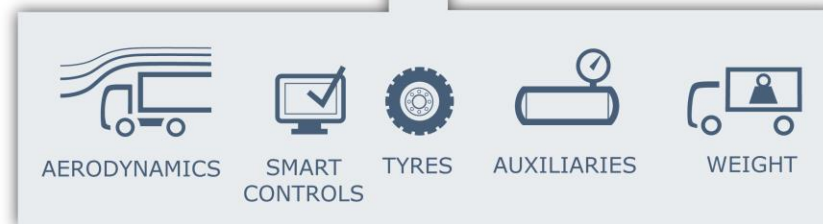


Louis Jones
EV & Connected Services Director
DAF Trucks UK

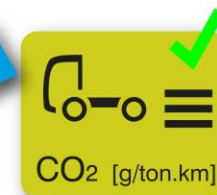
WHY DO WE NEED ZERO EMISSION VEHICLES

DRIVING ZERO EMISSIONS

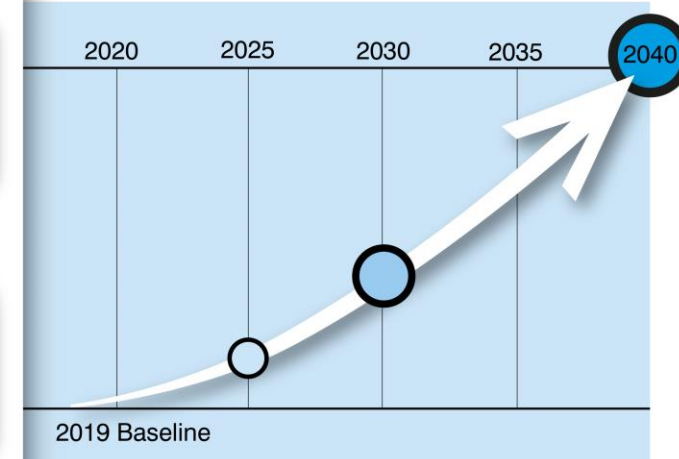
MISSION PROFILES



DECLARATION



CO₂ REDUCTION TARGETS



OUTLOOK TOWARDS 2050

2025

First city bans



2030

Extensive city bans

2035

End of sale of non-zero emission HGVs $\geq 26t$



2040

End of sale of all non-zero emission HGVs



2040

ACEA: NO FOSSIL FUELS

2050

RENEWABLE CIRCULAR



TODAY
BEV REGIONAL /
DISTRIBUTION /
SHUTTLE

EURO 7

BEV LONG HAUL

FCEV
MATURITY

2030

H2 Stations
Every 150km

Diesel
Bio-Fuels
E-Fuels



ICE



BEV

~2025
PUBLIC
CHARGING

H2 ICE
MATURITY

~2030
GREEN H2
INFRASTRUCTURE



H₂ICE

FCEV

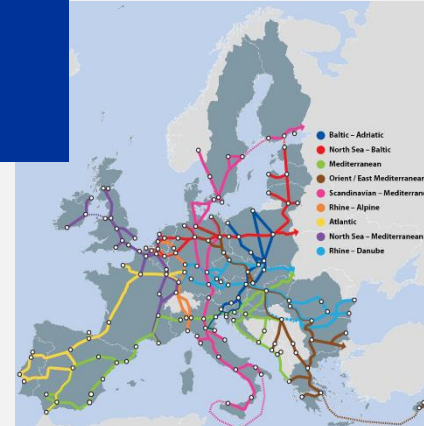
H₂

PARIS 2015
UN CLIMATE CHANGE CONFERENCE
COP21-CMP1

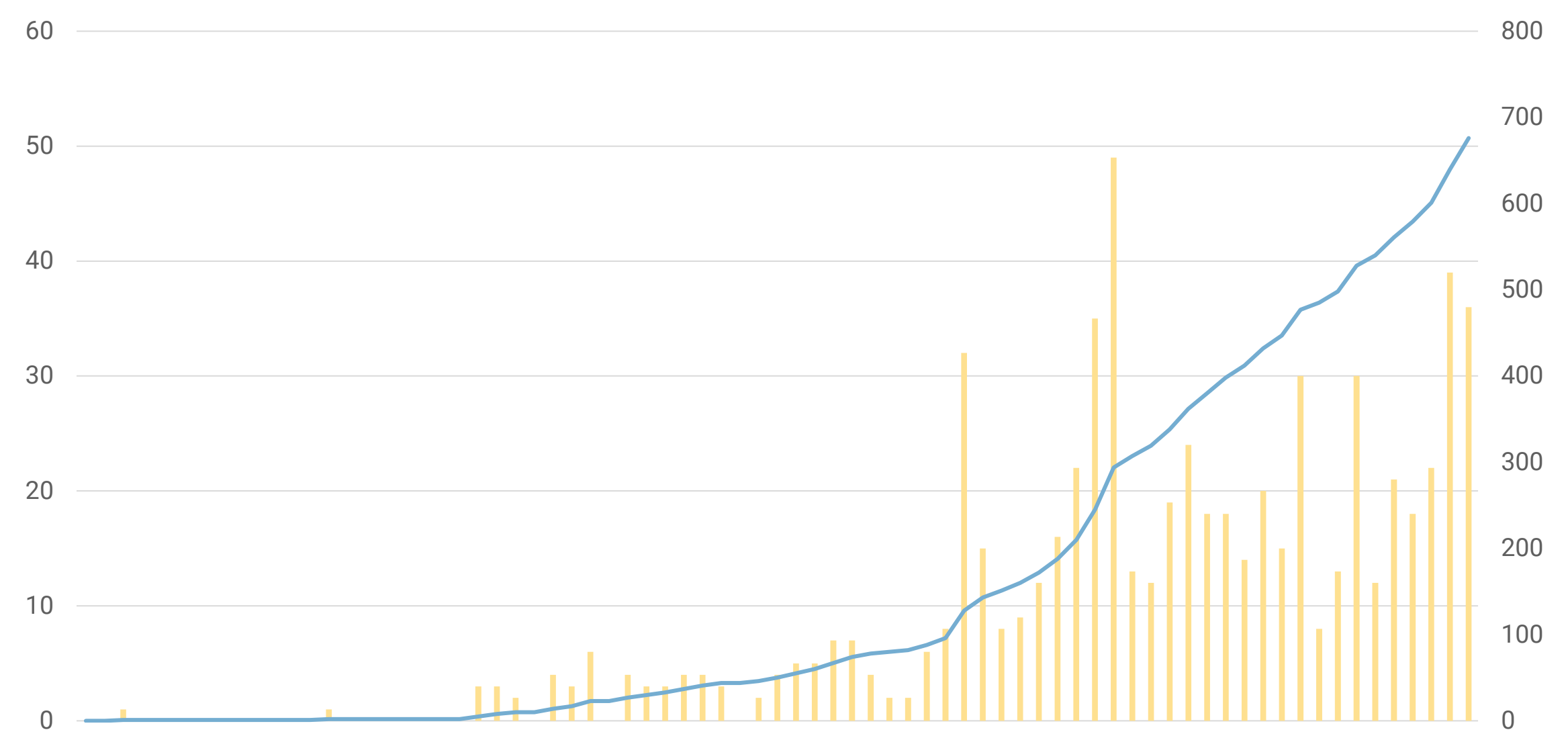


2025

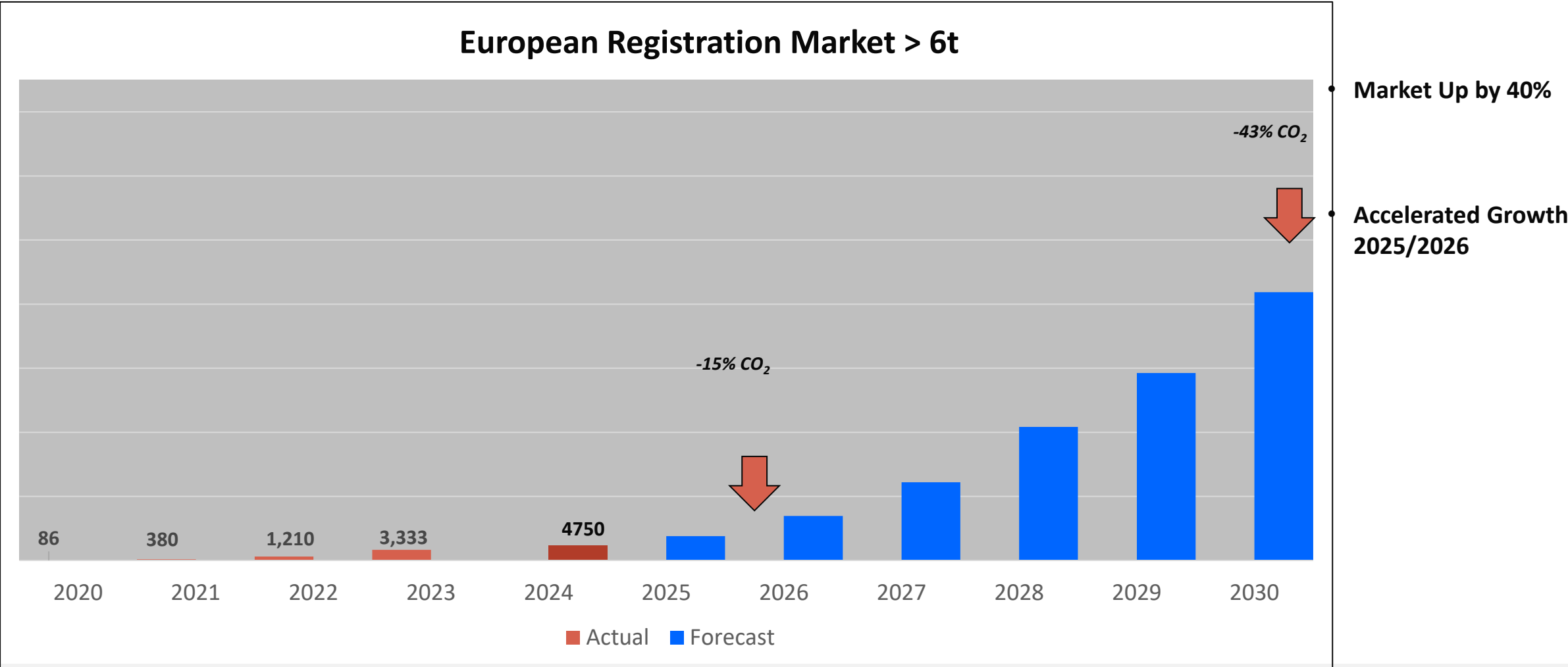
350kW Chargers
Every 60km



UK ZERO EMISSION VEHICLE PARC



MARKET FORECAST BATTERY ELECTRIC TRUCKS



NEW GENERATION DAF ELECTRIC

XB
ELECTRIC





















XD
ELECTRIC



XF
ELECTRIC



MODULARISATION

Series	Type		E-Motor		Battery capacity (kWh)						
	Axle configurations	GVW/GCW	Engine	kW	141	210	282	315	420	525	
		FT  FAN  4x2 6x2	42 – 46 – 50 t	PACCAR EX-D2	350				•	•	AC 22 DC 150 DC 325
					310				•	•	
					270			•	•	•	
		FT  FA  FAN  4x2 4x2 6x2	42 – 46 – 50 t	PACCAR EX-D2	350				•	•	AC 22 DC 150 DC 325
					310				•	•	
					270			•	•	•	
		FA  FAN  FAG  4x2 6x2 6x2	18 – 29 t	PACCAR EX-D1	270				•	•	AC 22 DC 150 DC 325
					220				•	•	
					170		FA		•	•	
		FA  4x2	19 t	EX-M2	190		•	•			AC 22 DC 150
			16 t	EX-M2	190		•	•			
			7,5 – 12 t	EX-M1	120	•	•	•			

VEHICLE DEPLOYMENT



POSITIVE TOTAL COST OF OWNERSHIP



CAPITAL COST

CHARGING INFRASTRUCTURE



RUNNING COST

SERVICE & MAINTENANCE

FIRST YEAR CAPITAL ALLOWANCES

ROAD TAX

PLUG IN TRUCK GRANT

ZERO EMISSION HGV & INFRASTRUCTURE DEMONSTRATOR PROGRAMME

- 5-year operational technology demonstration
- Demonstration of Battery Electric and Hydrogen Fuel Cell technology in heavy trucks – 40t to 44t GCW
- Government funding for approx. 300 trucks across multiple fleets, OEMs and charging partners
- DAF feature in three consortia



PUBLIC CHARGING DEVELOPMENT



