



**EMPOWER**



**alice** | Alliance for  
Logistics Innovation  
through Collaboration  
in Europe



Zero Emission Heavy Duty Road transport perspectives and innovations testing in real operations

**Round table INFRASTRUCTURE:**

Stefanie Van Damme, ALICE

Claudio Vitalini, IIT BOZEN, HYDROGEN CENTRE

Kai Koenig, ABB E-mobility

Kathryn Wunderle, AIR PRODUCTS

Mario Campo, HITACHI ENERGY

**Date:** 11 May 2023

**Time:** 17.00 – 17:30 (CET)



The availability of infrastructure is key to the transition to zero emission heavy duty transport. Will we be ready by 2030?



## CO2 TARGETS: ZERO-EMISSION VEHICLES AND INFRASTRUCTURE NEEDED

CO2 targets		-30%	-40%	-50%	
<b>Zero-emission vehicles needed in operation on EU roads (minimum)</b>		280,000	390,000	465,000	
	Battery electric vehicles (BEVs)	230,000	320,000	380,000	
	Fuel-cell electric vehicles (FCEVs)	50,000	70,000	85,000	
<b>Infrastructure</b>					
	Charging points	Total	34,000–42,000	48,000–59,000	53,000–65,000
		of which MCS chargers (>800 kW)	20,000–25,000	28,000–35,000	31,000–39,000
	H2 refueling stations	6 tons/day, or	500	650	700
		2 tons/day	1,500	2,000	2,200

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