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Bundesamt für Energie BFE
Office fédéral de l'énergie OFEN
Ufficio federale dell'energia UFE
Swiss Federal Office of Energy SFOE



THE PERFORMANCE-RELATED HEAVY VEHICLE FEE IN SWITZERLAND: **INCENTIVES FOR THE ELECTRIFICATION OF HEAVY-DUTY VEHICLES**



MARKET DEVELOPMENT

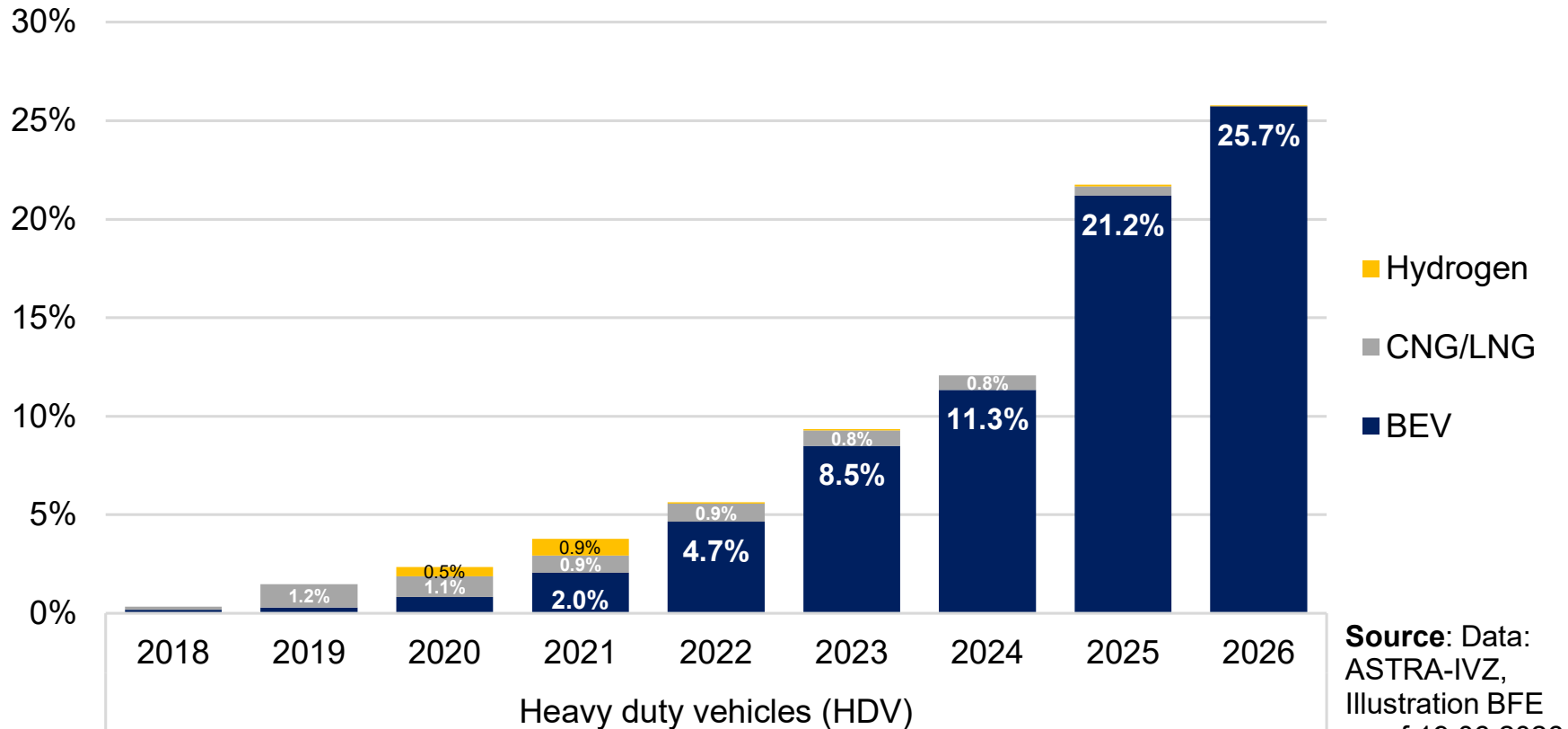
ELECTRIC TRUCKS



HEAVY GOODS VEHICLES NEW REGISTRATIONS 2018 – JUNE 2026

Share of new registrations of alternative power trains

Heavy commercial vehicles > 3.5 tonnes, 2018 - June 2026



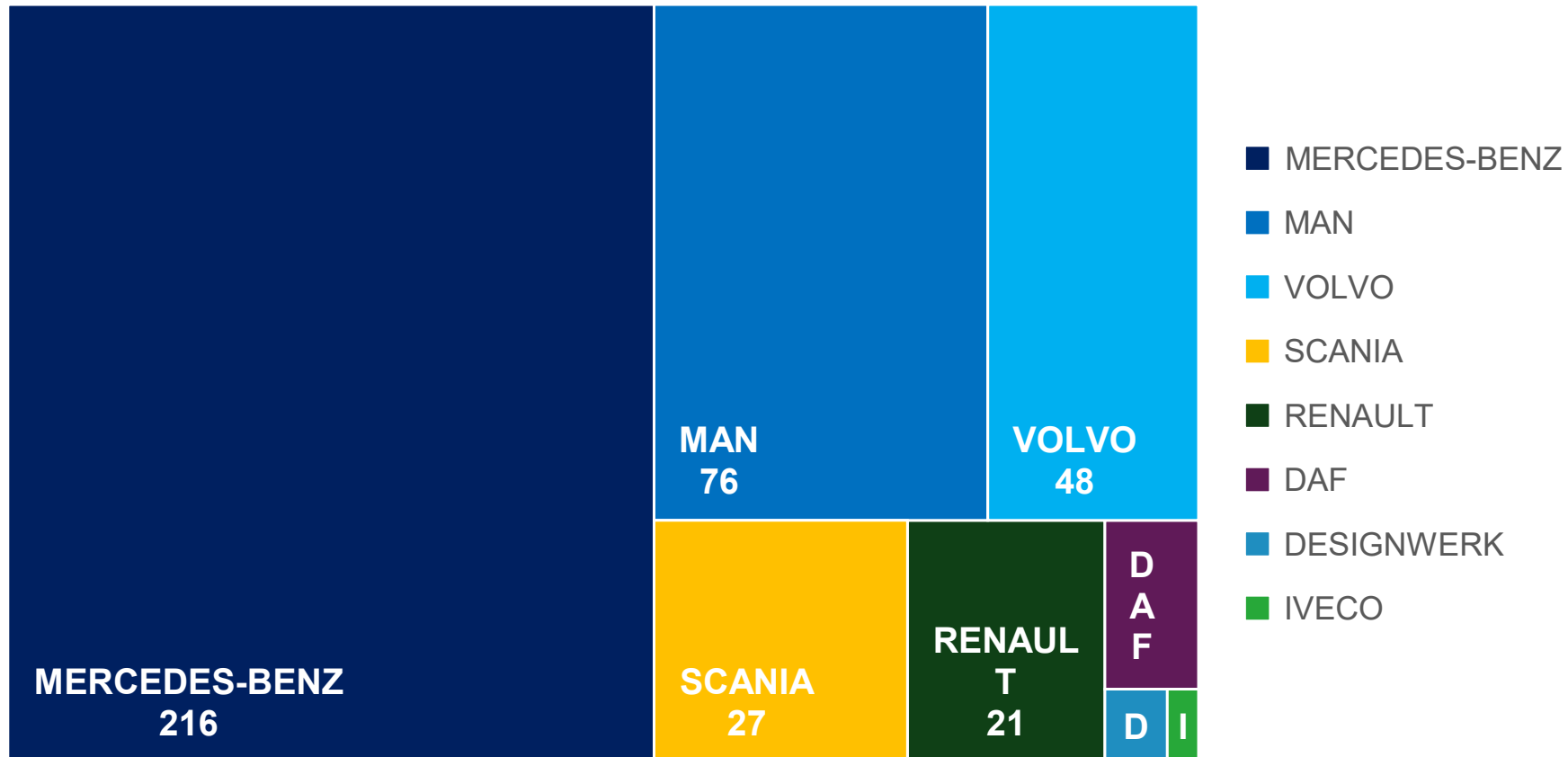
Source: Data: ASTRA-IVZ, Illustration BFE as of 19.06.2026

Source: Illustration SFOE, Data IVZ ASTRA, June 19, 2026



HEAVY ELECTRIC TRUCKS BIG DIFFERENCES BETWEEN MANUFACTURERS

New registrations of electric trucks > 16 tonnes by manufacturer
January-June 2026



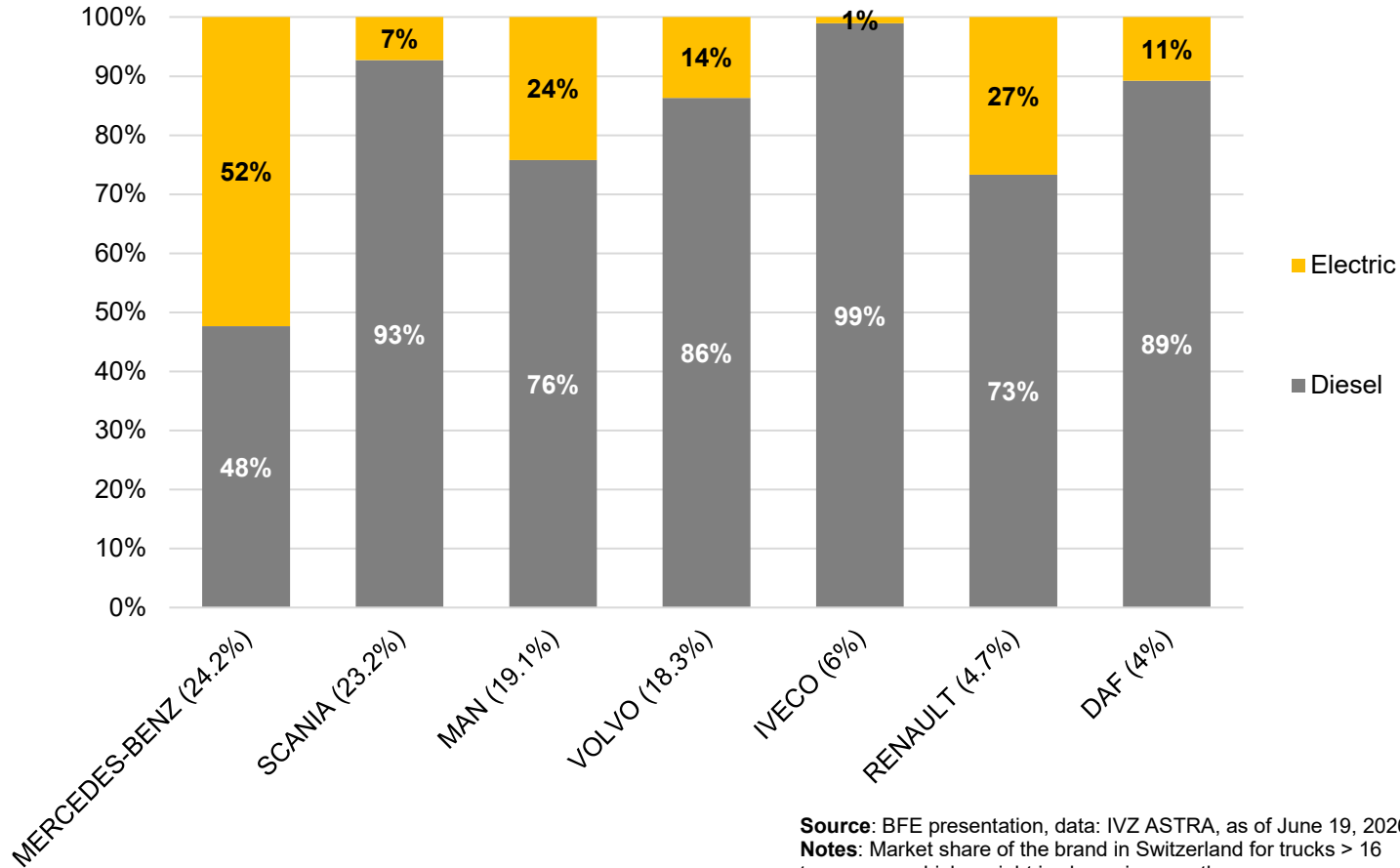
Source: Illustration SFOE, Data IVZ ASTRA, June 19, 2026



HEAVY ELECTRIC TRUCKS BIG DIFFERENCES BETWEEN MANUFACTURERS

Powertrain mix for trucks > 16 tons by manufacturer Switzerland 2026

Powertrain technologies for trucks and semi-trailer trucks > 16 tons, January–June 2026



Source: BFE presentation, data: IVZ ASTRA, as of June 19, 2026
Notes: Market share of the brand in Switzerland for trucks > 16 tons gross vehicle weight is shown in parentheses

Source: Illustration SFOE, Data IVZ ASTRA, June 19, 2026

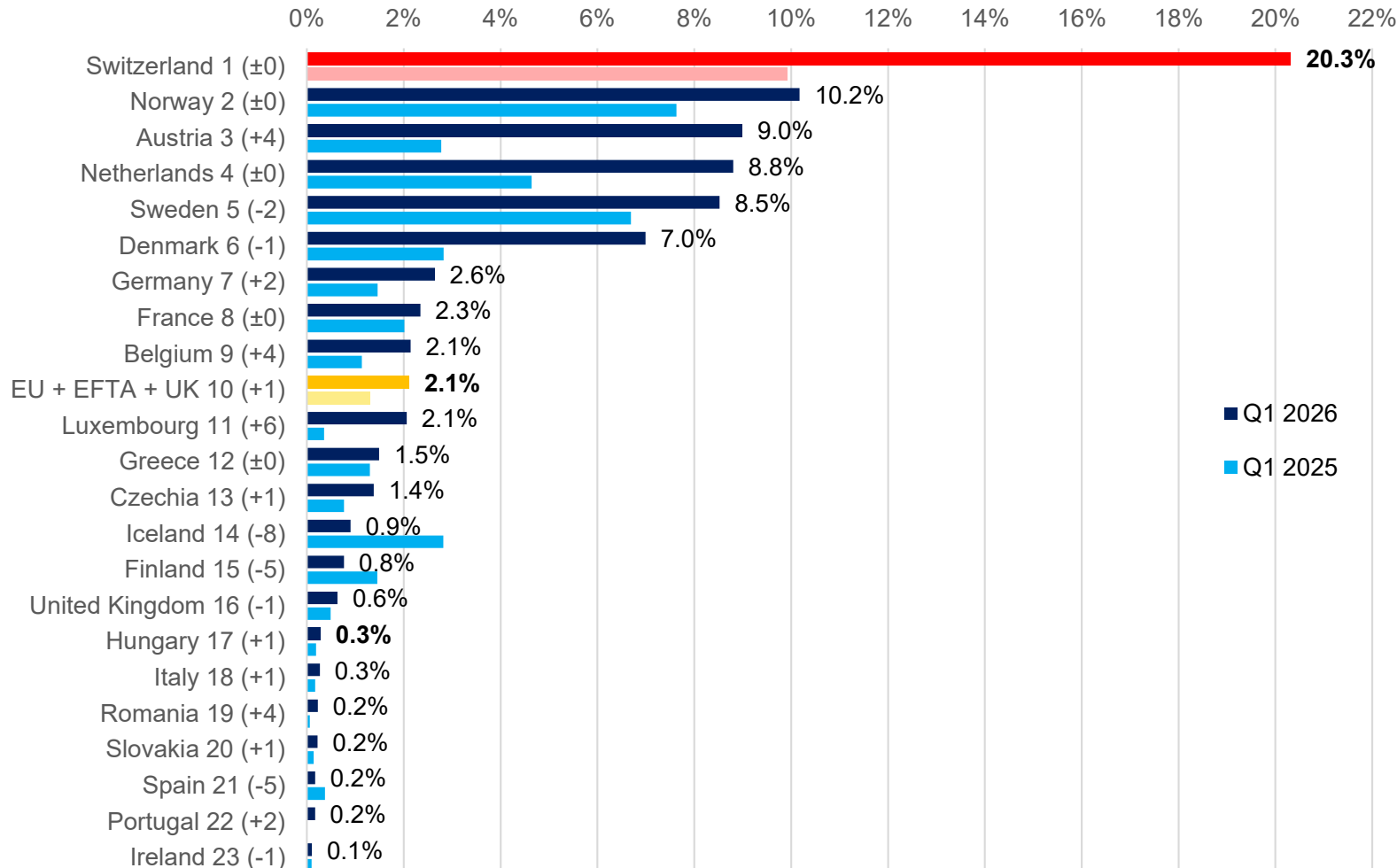


ELECTRIC HEAVY TRUCKS > 16 T IN EUROPE

NEW REGISTRATIONS 1ST QUARTER 2026

Share of new registrations of heavy electric trucks Q1 2026 vs. Q1 2025

Switzerland + Europe, Share of electric trucks >16 tons of all trucks > 3.5 tons.



Source: ACEA, April 29, 2026: <https://www.acea.auto/cv-registrations/new-commercial-vehicle-registrations-vans-2-3-trucks-10-7-buses-24-5-in-q1-2026/>

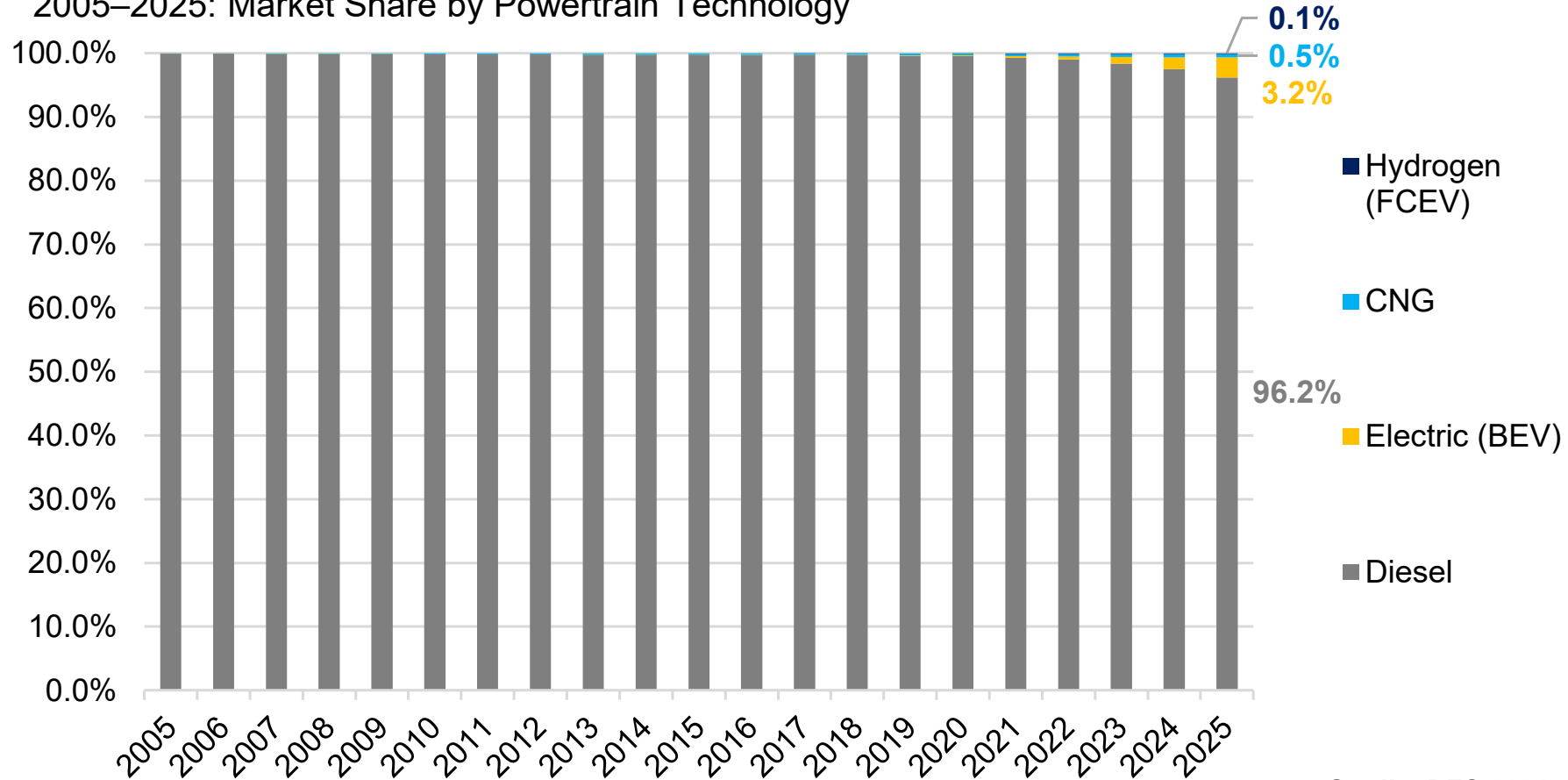
Quelle: Darstellung BFE, Daten ACEA https://www.acea.auto/files/Press_release_commercial_vehicle_registrations_Q1-2026.pdf
 Bemerkungen: Electric trucks: Kategorie umfasst gem. ACEA BEV und PHEV, in Klammern (Rangverschiebung 2026 vs. 2025)



HEAVY GOODS VEHICLES IN SWITZERLAND FLEET 2025 BY POWERTRAIN TECHNOLOGY

Fleet Composition: Trucks and Semi-Trailers

2005–2025: Market Share by Powertrain Technology



Quelle: BFS 2026

Quelle: Federal
Statistical Office FSO,
2026



FRAMEWORK CONDITIONS **HVF**

TRUCK ROAD TOLL IN SWITZERLAND | DR. CHRISTOPH SCHREYER - HEAD OF ENERGY EFFICIENT TRANSPORT - SFGE - JUNE 30, 2020





PERFORMANCE-RELATED HEAVY VEHICLE FEE

BASIC FEATURES - 2026

Tax category	Euro category	Tariff
I	Euro 0 to 5	3.26 Cts./tonne-km
II	-	2.82 Cts./tonne-km
III	Euro 6	2.39 Cts./tonne-km
Battery and fuel cell electric		0.00 Cts./tonne-km



PERFORMANCE-RELATED HEAVY VEHICLE FEE CALCULATION EXAMPLE

		Total weight	Tariff cents/tkm	CHF/km	Annual mileage km	Annual HVF CHF
Diesel		18 t	2.39	0.43	80'000	34'416
Electric		18 t	0	0.00	80'000	0

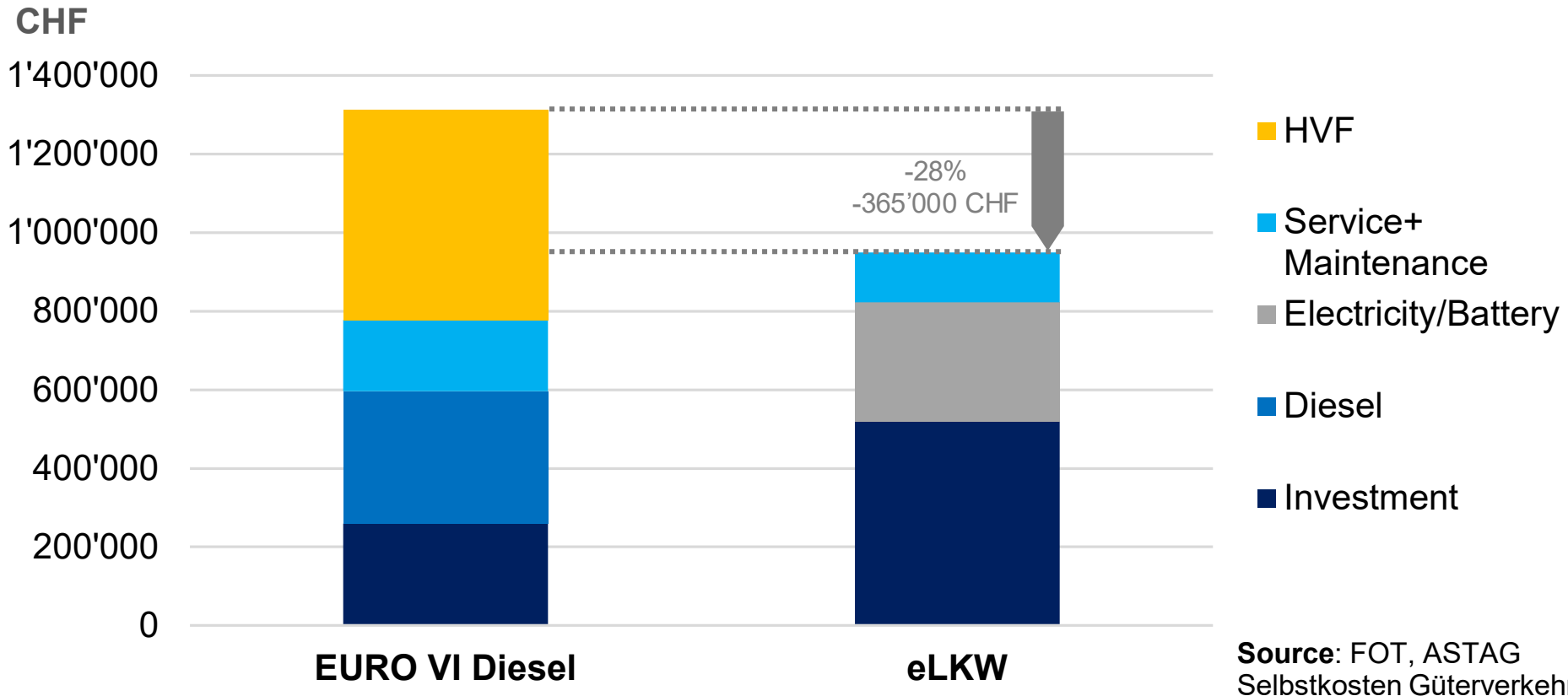


EXAMPLE FOR A 40 TONS TRUCK

ELECTRIC TRUCK WITH LOWER TCO

Comparison totals costs of a 40 tons truck

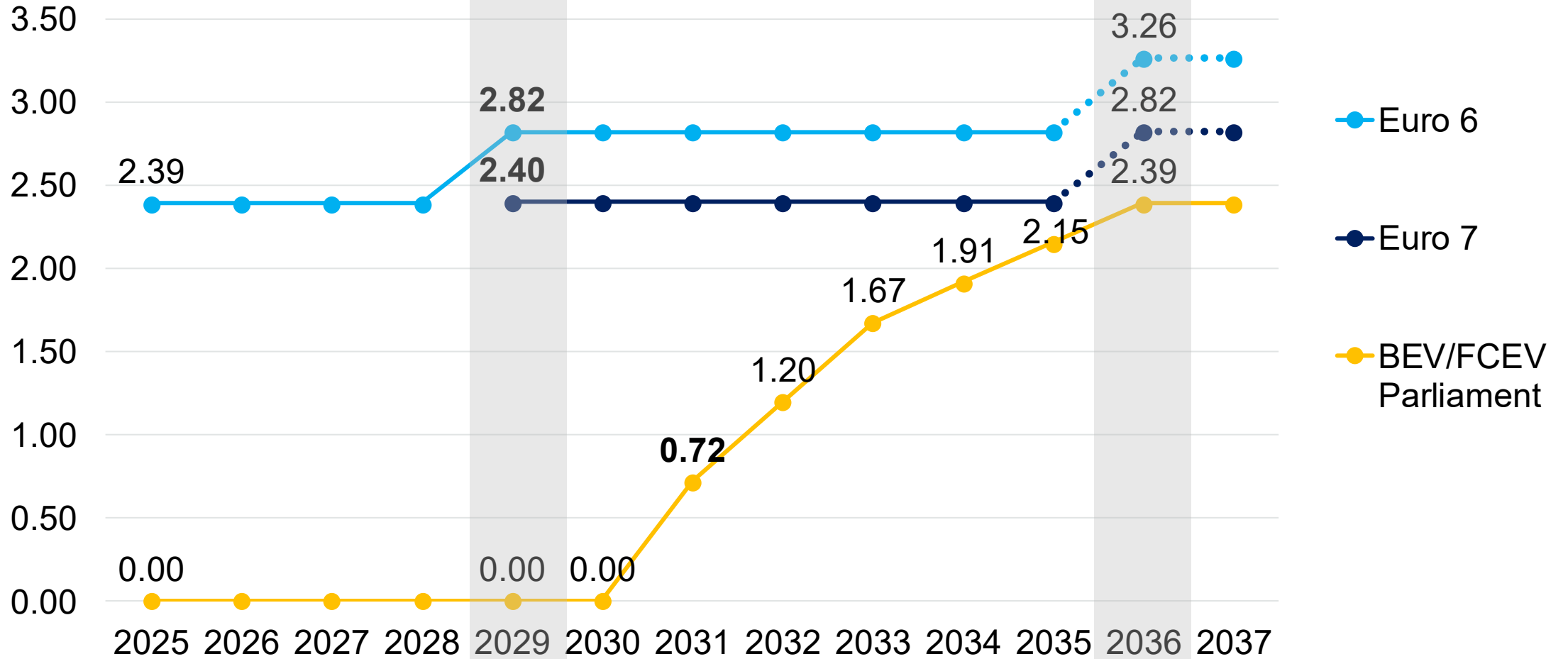
Diesel EURO VI vs. Electric truck, 80'000 km per year for 7 years





HVF TARIFFS TODAY AND... ... FUTURE DEVELOPMENT

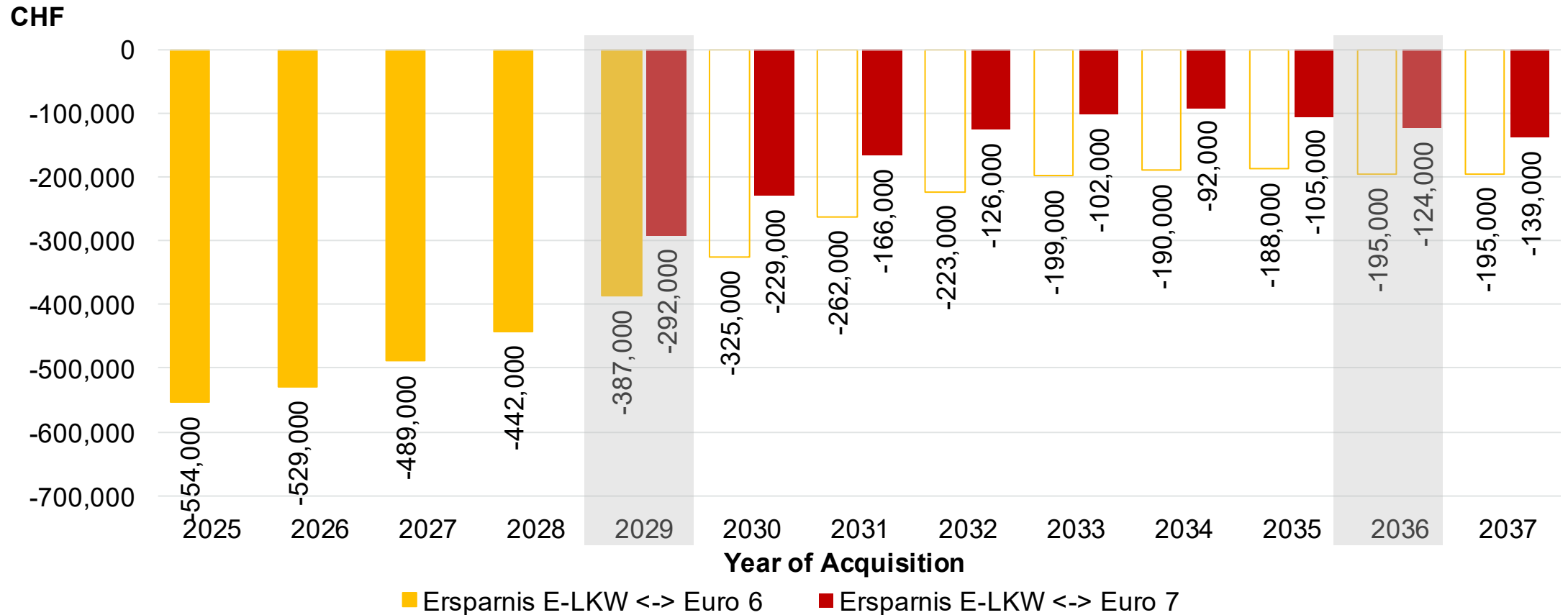
Cts./tkm





HVF SAVINGS COMPARED WITH EURO 6/7 ELECTRIC TRUCK, GROSS WEIGHT 40 TONS

Heavy Vehicle Fee savings for a 40-ton e-truck in the corresponding acquisition year
Annual mileage 80'000, 7-year operating period, in CHF over the operating period





KEY MESSAGES

- The HVF provides strong incentives, especially for vehicles with high annual mileage
- HVF savings offset the higher purchase costs of electric trucks and, in most cases, the cost of charging infrastructure
- As electric trucks continue to become more affordable, the TCO advantages will remain even after the HVF is introduced for electric trucks



Thank you

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