

CO2 Presentation

February Demo Storyboard

(static version)

introduction

Axess Logistics is currently building a CO2 reporting system that makes implementing the new ECG / VDA Reporting recommendations more straightforward

our solution is being built specifically for automotive LSP:s with the intent of shortening implementation time, lowering costs and significantly improving end results compared to using generic CO2 reporting solutions not specifically intended for our industry

screenshot from system demo - simple reporting

AXESS Report Builder Transport Orders Fuel Consumption Data Emission Reports

Date Range: 01/01/2024 to 31/12/2024

CO₂ Emissions Report

Report Name: West Gertrudeberg

Logo: west-gertrude...

Report Period: 01/01/2024 - 31/12/2024

Customers (118)

Overall Summary

Total Orders	Total CO ₂ Emissions	Average CO ₂ per Order
2,143	103,43 tons	48,27 kg

Balanced emission calculations according to the ECG standard

The emissions in this report are calculated with consideration to transported weight, balanced according to methodology from the ECG standard. This method bases the calculation on the vehicle's size (according to a CEU index, "Car Equivalence Unit") rather than just its mass, since it is the occupied space on the transporter (rather than mass) that most affects fuel consumption and emissions. This means that larger vehicles are allocated a higher share of emissions even if they weigh the same as smaller vehicles. CO₂e, CO₂ Equivalents are used wherever factors or quantities for CO₂ are specified.

Learn more about how we calculate here: <https://www.ecgassociation.eu/activities/sustainability-working-group/>

Truck Transport

Transporter Numbers (10)

Show Future Transport Modes

SAVE REPORT **CLOSE**

Model	Weight	CEU	Adjusted Weight
3008 (...)	2,000 kg	13	2,340 kg
	1,899 kg	12	2,160 kg
	1,773 kg	12	2,160 kg
	1,899 kg	12	2,160 kg
	1,899 kg	12	2,160 kg
	1,773 kg	12	2,160 kg
	1,795 kg	12	2,160 kg
tepwa...	1,108 kg	10	1,800 kg
008 3...	1,838 kg	12	2,160 kg
0 XC6...	2,150 kg	14	2,520 kg
008 5...	1,430 kg	11	1,980 kg
5 TFS...	1,964 kg	12	2,160 kg
ne 1,5 ...	1,339 kg	10	1,800 kg
ASHQ...	2,215 kg	14	2,520 kg
(IV), ...	1,940 kg	12	2,160 kg
NIS (Ill...	1,330 kg	10	1,800 kg
c Rele...	2,000 kg	12	2,160 kg
udson ...	1,635 kg	11	1,980 kg
tric GT ...	1,400 kg	10	1,800 kg

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data quality and moving targets

- missing or incorrect vehicle dimensions and weights
- incomplete route information
- gaps and errors in fuel consumption records
- misspelled addresses
- regulations are a moving target
- customers require individual reports based on their own assumptions and templates

cleaning up your data

everything works best with clean, high-quality data - missing vehicle dimensions, incomplete addresses, inconsistent fuel records - these are problems we all face

we have built tools to handle data quality issues:

- rule-based corrections
- external API lookups for vehicle specifications
- geocoding services

screenshot from data correction demo

Order	Customer	Car										Logistics	Pickup	Dropoff
		brand	model name	model code	vin	weight	length	width	height	type	ceu			
ORD-2024-001	Volvo Auto Group	Volvo	XC90 T8 AWD	VXC90T8	YV1DZ8256M1234567	2350	4953	2008	1776	SUV	14.2	285	Kungsgatan 42	Storgatan 18
ORD-2024-002	Mercedes-Benz Sverige	Mercedes-Benz	E 300 de Sedan	MBE300DE	WDD2130421A234567	2180	4935	1852	1468	Sedan	12.8	176	Södra Vägen 85	Industrivägen 12
ORD-2024-003	BMW Retail Sweden	BMW	iX xDrive50	BMWIX50	WBY8P8C09P7L34567	2585	4953	1967	1695	SUV	15.6	312	Exportgatan 1	Stationsvägen 55
ORD-2024-004	Audi Center Stockholm	Audi	e-tron GT quattro	AUDeTRON	WAUZZZ4K6PN045678	2420	4990	1964	1396	Sedan	13.5	198	Frösundaviks Allé 1	Malmövägen 3
ORD-2024-005	Toyota Sverige	Toyota	RAV4 Plug-in Hybrid	TYRAV4PH	JTMEB3FV8PD056789	1900	4600	185.5	1685	SUV	11.9	245	Hemvärnsgatan 9	Österleden 7
ORD-2024-006	Volkswagen Norden	Volkswagen	ID.7 Tourer Pro	VWID7PRO	WVWZZZ3CZPE0678					Sedan	12.3	267	Tegeluddsvägen 3	Norra Strandgatan 22
ORD-2024-007	Polestar Sweden	Polestar	Polestar 3	PS3LR	LPSED6SA3PZ07890					SUV	15.1	421	Assar Gabrielssons Väg 9	Storgatan 44
ORD-2024-008	Skoda Sverige	Skoda	Enyaq iV 80	SKOENIV80	TMBJM7NE8P00890					SUV	13.8	156	Kolonnvägen 11	Drottninggatan 89
ORD-2024-009	Porsche Center Sverige	Porsche	Taycan 4S	PORTAY4S	WP0ZZZ99ZPS090123	2295	4963	1966	1378	Sedan	14.7	223	Tegeluddsvägen 37	Järnvägsgatan 18
ORD-2024-010	Lexus Sverige	Lexus	RZ 450e AWD	LEXRZ450	JTHDPRAE8P0001234	2050	4805	1895	1635	SUV	12.5	289	Importgatan 5	Fabriksgatan 33

This weight is corrected with a rule based on the model code

a system you can grow with

- works with simple data as well as full integrations with Onboard/TMS-systems
- follow ECG/VDA Roadmap and recommendations
- traceability and auditability built in from the ground up
- go-live: end of 2026

meeting audit requirements

imagine KPMG is conducting an emissions audit. they would ask:

- what assumptions did you make?
- how were these figures calculated?
- what data sources does the data come from?
- what data correction rules were applied and why?

this system provides all of this in a neat auditing package

screenshot from CO2 drilldown demo

Total CO2 Emissions - 82.60 tons

Fuel Consumption

View Fuel Data

TOTAL FUEL: **31,288 L** CO2 (FUEL): **82.60 t**
TRUCKS: **11** DATE RANGE: **May 1 - May 30**

Truck: All | Type: All | Date: All | Group: Truck | Reset

337	6,198 L · 24 records
334	4,896 L · 24 records
265	3,928 L · 23 records
264	3,422 L · 24 records
433	3,000 L · 11 records
379	2,684 L · 13 records
374	2,022 L · 19 records
424	1,929 L · 16 records
422	1,898 L · 13 records
429	1,131 L · 15 records
327	181 L · 1 records

Transport Work

View Orders

TOTAL WORK: **1,235,581 t-km** ORDERS: **2,020**
DISTANCE: **434,367 km** DATE RANGE: **May 1 - May 30**

Customer: All | Truck: All | Dest: All | Date: All | Group: Cust... | Reset

Volvo Car Corporation	326,970 t-km · 562 orders
Scania CV AB	222,225 t-km · 35 orders
Volkswagen Group Sverige AB/VW PB+TRP	82,688 t-km · 105 orders
Toyota Motor Europe NV/SA	77,774 t-km · 119 orders
Din Bil Sverige AB	47,278 t-km · 132 orders
Axess Logistics Sweden AB (Renault)	41,658 t-km · 101 orders
Jyske Finans (Bilsalg)	33,587 t-km · 80 orders
ALD	30,922 t-km · 78 orders
Mercedes-Benz Sverige AB	27,697 t-km · 70 orders
Hedin Motor Company AB	23,139 t-km · 24 orders
Volkswagen Group Sverige AB/AUDI	22,533 t-km · 40 orders
K.W Bruun Autoimport AB	21,571 t-km · 43 orders

we are building a solution that works for us

this solution

- handles our data quality problems
- provides the reports we need to provide to customers and regulators
- is aligned with ISO and ECG guidelines, and is ready for changes
- is cost effective and fast to implement

if you have a situation similar to ours, consider adapting this solution instead of going on your own!

thanks for listening!

if this sounds good, please talk to us:

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(link to online version of this presentation)

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