
Calculating a business' environmental balance for customer transports.

EcoTransIT World Stakeholder Workshop, 5th October 2010
Headquarter UIC, Paris

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SBB Cargo AG



Objectives.

external

- offer to clients reliable data about emissions caused by their rail transport with SBB Cargo
- put in evidence the differences of the rail and road transport when it comes to emissions
- offer clients an instrument that can be used for their own communication and marketing activities

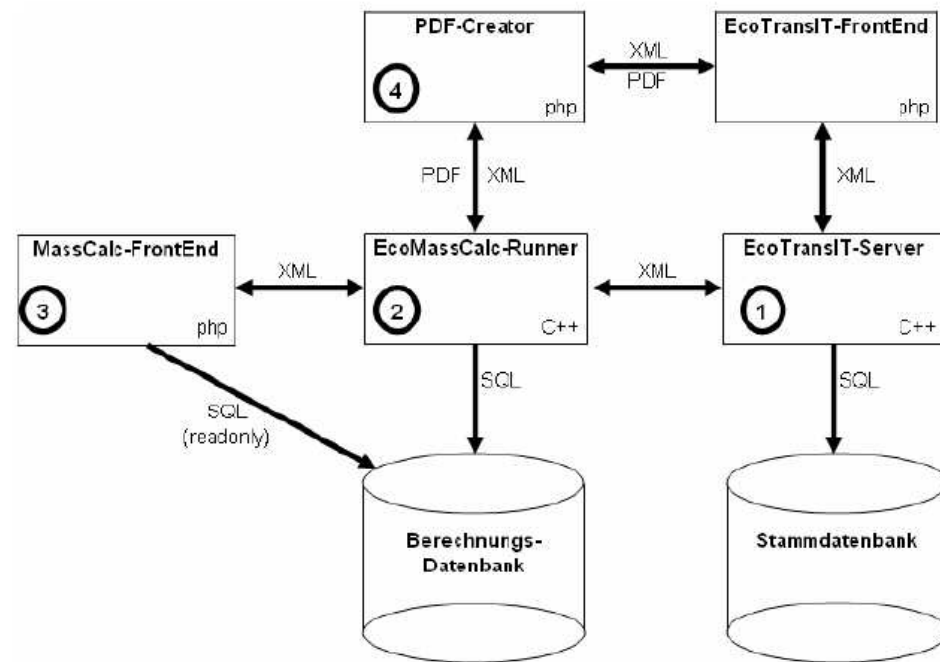
internal

- automated system for calculating customers' emissions
- being flexible (period and transport relations) in accounting
- easy to use for multiple users
- secure handling of customer data



Solution: EcoTransIT Masscalculation.

- data source: data warehouse SBB Cargo
- calculation and output creation: EcoTransIT Server
- secured Web interface for SBB Cargo
- possibility to enter specifications of technical and operational details
- possibility to enter output specifications



User Interface.



EcoTransIT **Massenkalkulation**

[Jobliste](#) [Job erstellen](#)

Zusätzliche Berechnungsangaben:

Gutart:

	Transportart	Schadstoffklasse	Beladungsgrad	Leerfahrtanteil
LKW:	<input type="text" value="40 Tonnen"/>	<input type="text" value="EURO5"/>	<input type="text" value="58"/>	<input type="text" value="17"/>
Zug:	<input type="text" value="mittellanger Zug"/>	<input type="text" value="Elektro"/>	<input type="text" value="58"/>	<input type="text" value="50"/>

Datei:

Layout Report::

Sprache: de it fr en

Logo:  

Kundenname auf dem Report:

Relationen im Anhang aufführen

Standardised input.

0901-0909	ATG	4011 ATG	80204073	Ingolstadt Nord	80210278	Osnabrück	3366877	4650
0901-0909	ATG	4011 ATG	80204073	Ingolstadt Nord	80010751	Hamburg	112779987	6550
0901-0909	ATG	4011 ATG	80204073	Ingolstadt Nord	80113373	Darmstadt	22335555	5332
0901-0909	ATG	4011 ATG	80204073	Ingolstadt Nord	80101857	Essen	18469237	12300
0901-0909	ATG	4011 ATG	80204073	Ingolstadt Nord	87271734	Villers-Cotter	178899978	6455
0901-0909	ATG	4011 ATG	80204073	Ingolstadt Nord	80053603	Kassel	23889	2460
0901-0909	ATG	4011 ATG	80204073	Ingolstadt Nord	80034959	Neuseddin	33488	4150



UIC-Code



UIC-Code




Tonnage

List of results.




Massenkalkulation

[Jobliste](#) [Job erstellen](#)


Jobs:	350	Jobliste				
Job ID	Name	Status	Datum	Zeit		
501	ERS Railways	Erledigt	24.09.2010	13:14:50	EN	  
497	██████████	Erledigt	24.09.2010	10:50:39	DE	  
496	██████████	Erledigt	23.09.2010	14:56:03	FR	  
495	██████████	Erledigt	23.09.2010	14:51:37	FR	  
494	██████████	Erledigt	23.09.2010	14:44:10	DE	  
493	██████████	Erledigt	22.09.2010	14:57:11	FR	  
492	██████████	Erledigt	22.09.2010	09:50:24	DE	  
491	██████████	Erledigt	22.09.2010	09:49:54	DE	  

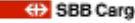
Output for ERS Railways®



Our environment says thank you.
Between 01.01.2009 and 31.12.2009,
ERS Railways saved 51 195 tonnes of
CO₂ emissions.

And rendered 61 710 lorry journeys unnecessary.
For more detailed information, please turn the page.



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Emissionreporting
Organization / customer: LHS Railways
Calculation period: 01.01.2009 - 31.12.2009
Routes: All routes
Transported tonnage: 195 312 t

In your hands, you're holding a list of all the emissions of harmful substances that your shipments using SBB Cargo have generated. To illustrate this, the emissions of harmful substances generated by your rail shipments have been compared to road transport using a lorry. This allows you to see at a glance the associated impact on the environment. All shipments by SBB Cargo where your company appears as the sender, recipient or freight payer have been included.

Carbon dioxide (CO₂)

Mode	CO ₂ emissions (tonnes CO ₂)
Lorry	50 401
Train	7 381
Energy (tonnes)	61 564
Saving in %	85 %

CO₂ emissions: The CO₂ emissions are calculated based on the weight of the goods transported and the distance traveled. The CO₂ emissions of a lorry are significantly higher than those of a train. The CO₂ emissions of a train are significantly lower than those of a lorry. The CO₂ emissions of a train are significantly lower than those of a lorry. The CO₂ emissions of a train are significantly lower than those of a lorry.

Primary energy consumption (the diesel equivalent)

Mode	Primary energy consumption (the diesel equivalent) (tonnes)
Lorry	141 891 109
Train	11 501 151
Saving (the diesel equivalent)	13 430 100
Energy (tonnes)	153 392
Saving in %	92 %

Primary energy is the energy available from natural energy sources (e.g. oil or hydroponics).

SBB Federal Railways CFF Cargo
Customer Service: Tel Switzerland 0800 707 180 - Tel Comp 4 808 80 7227 2224
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Feedback

- Emission report successful - customers are very interested and give positive feedback:
 - „The data is very interesting and shows that we are assuming our responsibility in environmental issues. We will use this data in the market to increase transport on rail.“ (customer of SBB Cargo)
 - „An impressive news with a very positive impact!“ (customer of SBB Cargo)
 - „The CEO told me that he recently won a new customer who had seen the emission report on the company’s website and acknowledged it’s responsibility for environment protection“ (key account manager SBB Cargo)
- So far two customers used the service for climate neutral transport



Thank you for your attention.

