**EcoTransIT World – Ecological Transport Information Tool**

**Key Words:**
- CO2-Footprint, Exhaust gases calculation, CEN EN 16258; IT-technologies and solutions for management and administration; transport optimisation; B2B solutions; service quality and sustainability agreements; transport management, fleet management; environmental standards and policy; modelling and forecasting; monitoring and benchmarking of freight processes

**Case logo or picture**
![EcoTransIT World](image)

**Benefits**
- All modes of transports
- Considers different transport types, emission classes and capacities per mode; CEN EN 16259 conform
- Calculation of energy, CO, CO2e,SO2,NOx, NMHC, PM10
- World wide scope
- Consideration of upstream processes (WTT and TTW)
- Transparency of operators’ processes via free published methodology report

**Starting point/objectives/motivation:**
EcoTransIT World means Ecological Transport Information Tool – worldwide. It is an open access online application, which shows the environmental impact of freight transport for any route in the world and any transport mode. More than showing the impact of a single shipment it compares different transport modes or logistical chains with each other thus making evident, which is the solution with the lowest environmental impact.

EcoTransIT World provides transparent and reliable calculations of carbon foot-print, energy consumption and exhaust emissions of logistic chains with all transport modes on a global level. To this end it
  - applies reliable data and a scientifically based methodology developed and proved by independent experts of international reputation,
  - publishes data and methodology in a detailed report to make the approach transparent,
  - provides open access to the online calculator allowing any comparison to other calculation tools and
  - is subject to continuous improvement so as to best account for customer needs and be in line with international standardisation requirements.

**Success factors**
- Methodology formed by independent scientific partners
- Methodology openly published and available to read online
- Flexible tool; can be adapted to various user data
- Open-membership; cost depends on size of user
- Business solutions enables flexible integration into the company work flows
- Already used by a lot of companies all over Europe

**Supported strategic targets**
Public actors: ideal utilisation of infrastructure; acceptance and influence; increased amenity value.
Private actors: increased efficiency/productivity of logistics processes; image.
For both actor groups: limited climate change; reduced emissions; conservation of resources.

**Description**
EcoTransIT World calculates environmental impacts of different carriers across the world. This is possible due to an intelligent input methodology, large amounts of GIS-data and an elaborate basis of computation. Data and methodology are scientifically funded and transparent for all users. EcoTransIT World is designed for companies of all sizes. It supports them in analyzing comprehensive logistical solutions as well as in studying single transportation routes or shipments.
Last but not least EcoTransIT World claims to be more than an eco-calculation tool. It offers a platform to forerunners in the field of green logistics, willing to exchange best practice experience and to discover further saving potentials and advantages in competition for their own business. This business excellence process will again feed the online application, as it creates new data and improved features to be implemented. Thus EcoTransIT World aims to support a double process of continuous improvement: on company and on tool level.

Influencing factors taken into account per transport mode and vehicle type: traction type, transport network, vehicle capacity utilisation, energy upstream chain, special features of international freight transport. Example truck: influencing factors are vehicle size, max. permissible load, capacity utilisation level, engine’s technical standards (Euro standards, EPA, JP). Example rail: type of traction, trailing load of freight train, train lengths and many other factors influencing the environmental impact.

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