

OFFERING SHEET OF COMPANY CI2, O.P.S.

CARBON FOOTPRINT OF A COMPANY

Basic characteristics

Carbon footprint of a company is a **measure of impact** of company operations on the environment and in particular on climate change. It is an **indirect indicator of the consumption** of energy, products and services. The carbon footprint measures the amount of greenhouse gases which corresponds with the activities or products of the company. The carbon footprint, besides the company quality level, can be designated at other levels – national, municipal and individual. Currently it is measured and recorded by thousands of companies abroad and dozens of companies in the Czech Republic, mainly subsidiaries of multinational companies. The determination of the carbon footprint is beneficial for any company which does not ignore the impact on the environment and modern „green“ image.

The **main reason** for establishing the company's carbon footprint is in practice a request from a client within the supplier-customer relationships (calculation crosswise the entire chain of companies), the decision of the parent company or marketing use of the carbon footprint.

Standards

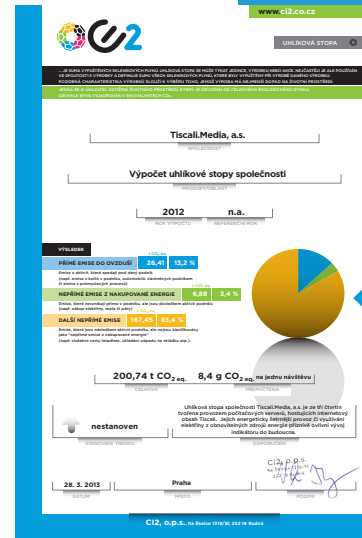
Area of reporting greenhouse gas emissions from companies codifies **Standard ISO 14064** – Greenhouse gases. Another internationally used standard is the **GHG Protocol** – corporate standard for measuring and reporting carbon footprint, used especially in Anglo-Saxon countries, while in the francophone region is an established method **Bilan Carbon®** and for product reviews method **PAS2050** is used. These standards represent a general framework, according to which the determination of emissions and sinks of greenhouse gases is carried out as well as the carbon footprint calculation. The specific procedure is necessary to determine, depending on the type of a company and its processes.



Carbon footprint

Certification and verification of calculation

The standards also define the procedure for **verification** of the calculations. The company CI2, o.p.s. offers the possibility of **calculating the carbon footprint of a company or product** according to given standards, depending on the client's requirements. Following the calculation we provide an official **certificate**, which is valid for one year. Then, the process of calculation and certification can be carried out again. The calculation procedure is in accordance with the **GHG Protocol** (www.ghgprotocol.org). Externally it is possible to convey the verification of calculation by a third party – internationally recognized verification agency.



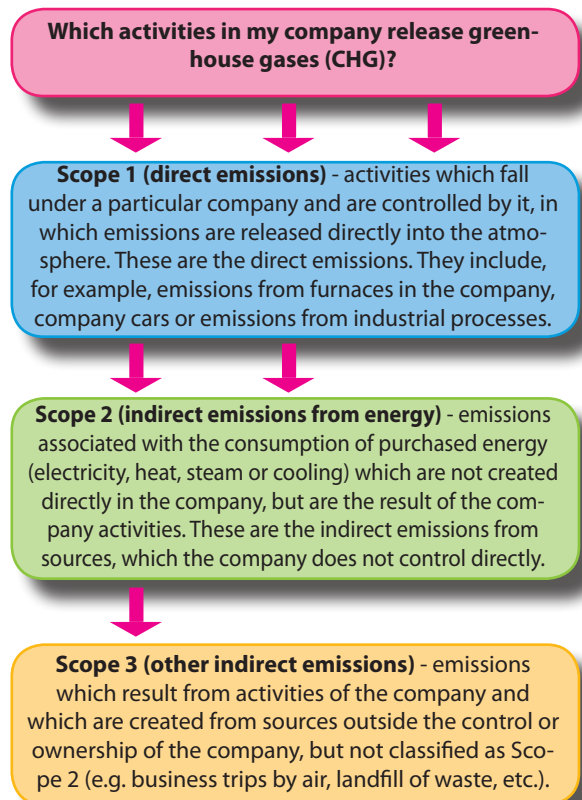
Thumbnail of the certificate issued by organization CI2, o.p.s. - Tiscali Media, a.s. (2013)

Measures to reduce carbon footprint

A part of the calculation of the carbon footprint is to identify its composition not only in terms of scopes, but also the factors which **produce the most greenhouse gases**. These factors, in the case of the client's interest, will be focused on concerning suggestions of measures to reduce the carbon footprint, including an estimation of their financial costs.

Scopes

Calculating the carbon footprint of a company is divided, according to **the place of emissions** into three categories:



Scheme of division of greenhouse gas emissions from company activities according to scopes:

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Reasons for determination of carbon footprint of a company

- **Cost saving** – identifying, which part of your activities consumes the most energy and resources and where you can look for cost reduction.
- **Risk reduction** – Preparing for the rising prices of fossil fuels and their inclusion into business planning.
- **Expansion of the business** – cost saving leads to increased competitiveness and expansion of your business.
- **Green marketing** – satisfy the growing number of customers who are interested in your impact on climate and environment.
- **Corporate commitment** – whether you are a small business or a large company, „green commitment“ is more and more integrated into corporate strategy.

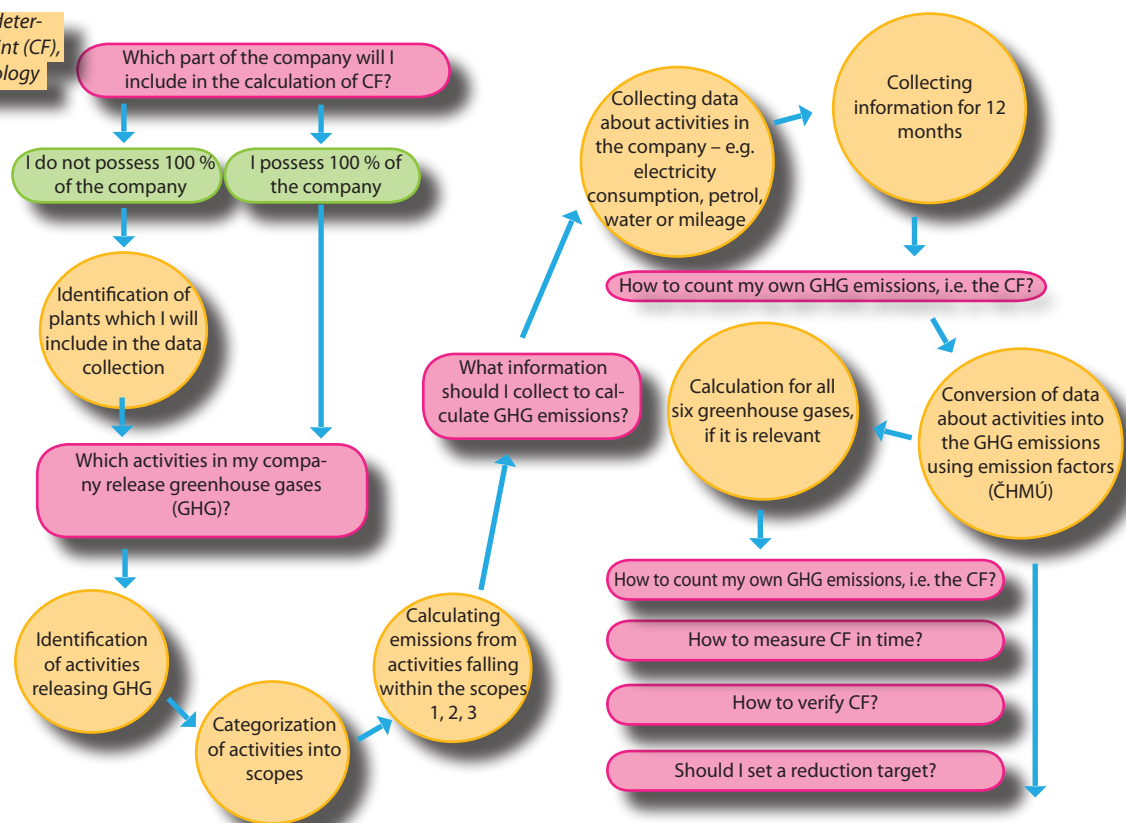
The calculation procedure

- **Step 1** - determining the limits of calculation – what part of your business we will include in the calculation, what part of the production and sales cycle of products, etc.
- **Step 2** - determining the activities which release greenhouse gases (e.g. electricity consumption, transport, waste production).
- **Step 3** - data collection – for each activity identified in step 2 it is necessary to collect data on an annual basis.
- **Step 4** - Transfer of active data on greenhouse gas emissions using emission factors.
- **Step 5** - Identification of measures to reduce emissions.

References

- Tiscali Media, a.s.
- Carbon footprint of the towns: Chrudim, Jilemnice, Krnov, Praha Libuš, Semily, Svitavy

Scheme of procedure for determining the carbon footprint (CF), according to the methodology CI2, o.p.s.



Target groups

- manufacturing companies
- Financial and banking sectors, IT, telecommunications
- Infrastructure companies
- Enterprises in the service

Links

- <http://www.ci2.co.cz/en/what-carbon-footprint>
- <http://www.uhlikovastopa.cz>
- <http://www.ghgprotocol.org>
- <http://www.associationbilancarbonate.fr>

CONTACTS

RNDr. Viktor Třebický, Ph.D., phone: +420 777 697 388, viktor.trebicky@ci2.co.cz

Mgr. Josef Novák, Ph.D., phone: +420 736 162 066, josef.novak@ci2.co.cz



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