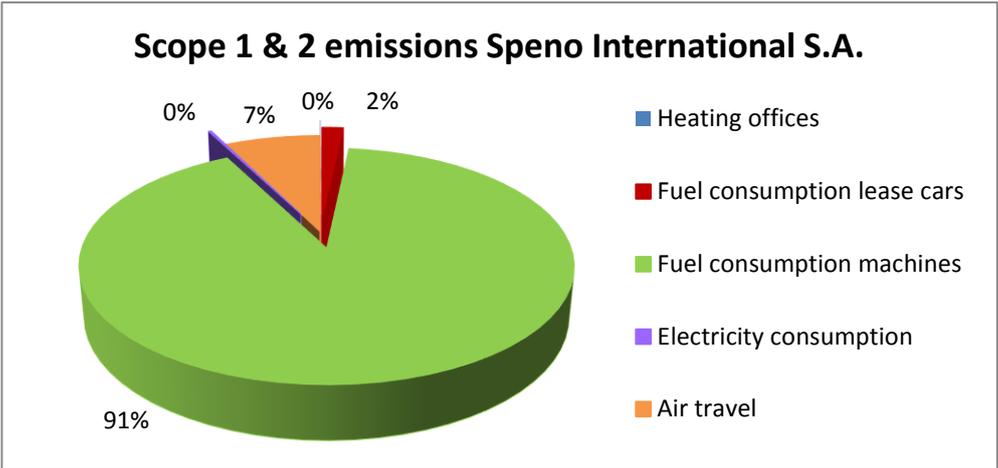


Speno International S.A. contributes to a more sustainable world

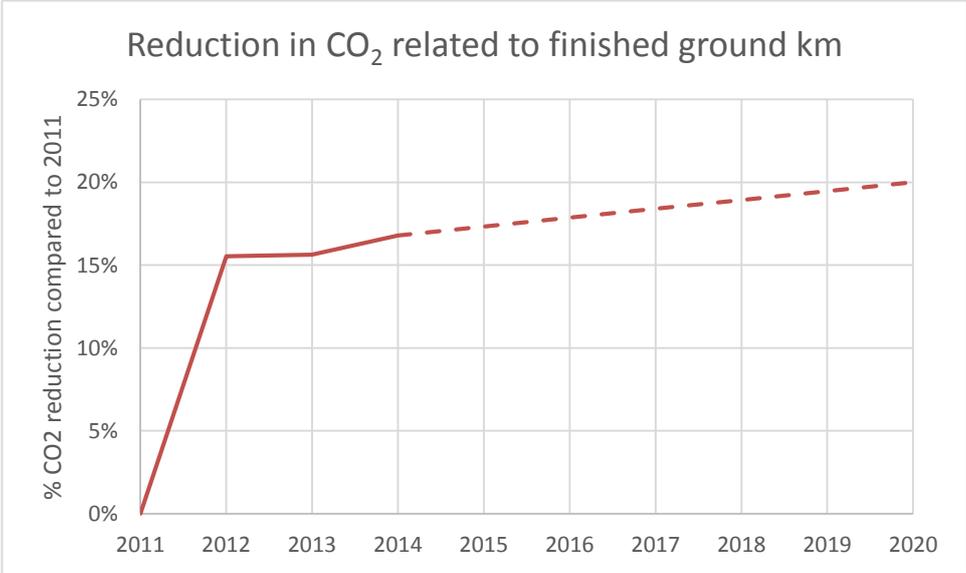
Climate change has a significant impact on the world we live in today. Speno takes its responsibility to ensure that its business activities en products are sustainable. Therefore Speno International S.A. focuses on one of the biggest causes of climate change: **CO₂-gas**.

First step is to gain insight in CO₂ emissions. Speno has calculated its CO₂ emissions over the year 2014. This calculation has been made according to the ISO14064-1 requirements for scope 1 (direct emissions) and scope 2 (indirect emissions). The CO₂ emissions over the year 2014 are in total 18.801 tons CO₂. The following graph presents the emissions in detail:



Renewed objectives

Last years, Speno has related her CO₂ emissions to the amount of shifts. This figure proved to be not representative for the emissions of the company, because the shifts did not account for the amount of work that had been done. Therefore, Speno has chosen to use a different parameter for the relative CO₂ emissions: the amount of finished ground meters produced by the trains. This gives a significant change of the CO₂ emissions of Speno in the past years. Between 2011 and 2012 there has been a reduction of more than 15%; from 2012 until now there is still a reduction although less remarkable.



To reduce CO₂ emissions Speno had set up CO₂ reduction objectives:

Scope 1 & 2 objectives Speno International S.A.*

Speno International S.A. produces 20% less CO₂ emissions in 2020 compared to 2011.

* These objectives are related to finished ground kilometres of the fleet.

Results of the reduction targets

The past year, Speno has continued the implementation of measures to reduce CO₂ emissions. Speno has gained a better insight in processes that sometimes have an unwanted influence on these emissions, like the use of new machines that emit more CO₂ than older machines, and the necessity of replacing crews due to changing laws. Despite these negative influences, Speno will keep continuing to put effort in further reducing its CO₂ emissions.

Measures

To achieve these objectives Speno International S.A. will reduce the energy consumption of offices, reduce the fuel consumption of lease cars and reduce the fuel consumption of its grinding trains' fleet. A couple of these measures are:

- Provide information concerning an economic behavior in the office;
- Speno encourages the use of public transport;
- For leasecars, give the option to choose a car with a low fuel consumption (Volkswagen-transporter or Volkswagen Transporter BlueMotion);
- Speno instructs the employees to only use the air-conditioning for a 4 degrees difference with the outside temperature;
- Inform employees about economic driving behavior

Continuous improvement

Speno International S.A. wants to continuously improve the CO₂ reduction system. That's why Speno International S.A. participates in the Swiss Öbu initiative. Within this initiative companies encourage each-other to take sustainable measures. In 2014 a meeting was organized by the Öbu initiative in Bern, with the subject 'Economics of the future'. And Speno offers her employees opportunities for individual contribution. In this way employees at the offices and on sight can come with their own ideas about how to reduce CO₂.

Speno offers her employees opportunities for individual contribution. In this way employees at the offices and on sight can come with their own ideas about how to reduce CO₂.

Documenten

- [2.A.2 1 Review CO₂ reduction system](#)
- [3.B.1 1 CO₂ reduction objectives 20156](#)
- [3.B.2 2 Energy measurement plan 2012-2015](#)
- [3.C.2 1 Communication plan CO₂ reduction system](#)
- [3.D.1 3 2014-Obu active participation](#)