



## CARBON FOOTPRINT

... IS THE AMOUNT OF EMITTED GREENHOUSE GASES. CARBON FOOTPRINT MAY INVOLVE AN INDIVIDUAL, PRODUCT OR EVENT. BUT IT IS MOST OFTEN USED IN CONNECTION WITH THE PRODUCTS AND DEFINES THE AMOUNT OF ALL GREENHOUSE GASES, WHICH WERE RELEASED IN THE MANUFACTURE OF A PARTICULAR PRODUCT. SIMILAR PRODUCT CHARACTERISTICS IS USED TO SELECT THE PRODUCT WHOSE PRODUCTION HAS MINIMAL IMPACT ON THE ENVIRONMENT. THESE ARE INDICATORS OF ENVIRONMENTAL BURDEN THAT ARE DERIVED FROM THE OVERALL ENVIRONMENTAL IMPRINT. CARBON FOOTPRINT CALCULATION IN ACCORDANCE WITH ISO 14064 AND GHG PROTOCOL STANDARDS AND PRINCIPLES.

# Vitana, a. s.

COMPANY

## Carbon Footprint Calculation of company

PRODUKT/AREA

**2016**  
YEAR OF  
CALCULATION

**2014-2015**  
REFERENCE YEARS

RESULT

**DIRECT EMISSIONS TO AIR** **3,608** **29.7 %**

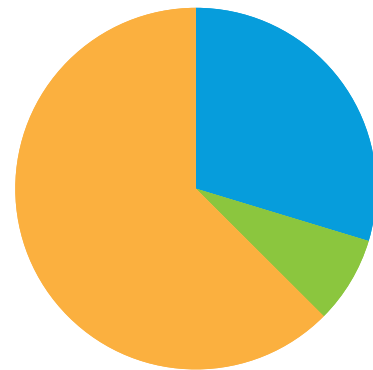
Emissions from activities which fall under a particular company (e.g. emissions from furnaces in the company, company cars or emissions from industrial processes)

**INDIRECT EMISSIONS FROM PURCHASED ENERGY** **947** **7.8 %**

Emissions which are not created directly in the company, but are the result of the company activities (e.g. purchase of electricity, heat or steam)

**OTHER INDIRECT EMISSIONS** **7,601** **62.5 %**

Emissions which result from activities of the company but are not classified as "indirect emissions from purchased energy" (e.g. business trips by air, landfill of waste, etc.).



**12,156 t CO<sub>2</sub>e**

TOTAL

**5.8 kg CO<sub>2</sub>e**

PER CZK 1,000 OF REVENUES

**Increasing**

DETERMINATION OF TREND

Carbon footprint of Vitana, a. s. (2015- 2016) increased annually by 20.9%, thanks to the inclusion of Scope 3, which represents almost one third of the company's overall carbon footprint. The greenhouse gas emissions from energy consumed (Scope 1 and Scope 2) declined by 26.7% in 2016 compared to 2015. A significant source of emissions is the purchase of packaging material (41%), natural gas consumption (22.1%) and sludge production (16.5%). Vitana, a. s. managed to achieve a decline in relative indicators - carbon footprint related to production volume. The carbon footprint is 2.2% per kg CO<sub>2</sub>e / 1,000 CZK.

RECOMMENDATION

**3. 11. 2017**

DATE

**Praha**

PLACE



SIGNATURE