



## 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

**2015**  
YEAR OF  
CALCULATION

**2012**  
REFERENCE YEARS

RESULT

t CO<sub>2e</sub>

**DIRECT EMISSIONS TO AIR** 3,748 37.4 %

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

t CO<sub>2e</sub>

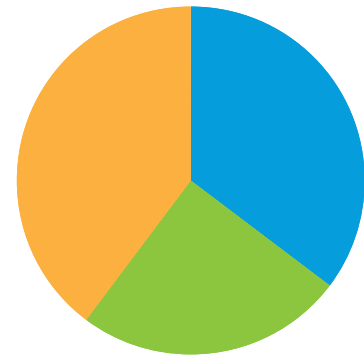
**INDIRECT EMISSIONS FROM PURCHASED ENERGY** 2,419 24.2 %

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)

t CO<sub>2</sub>

**OTHER INDIRECT EMISSIONS** 3,844 38.4 %

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.).



**10,011 t CO<sub>2e</sub>**

TOTAL

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

PER CZK 1,000 OF REVENUES

**decreasing**

DETERMINATION OF TREND

Carbon footprint of Vitana, a. s. (2015/2014) increased annually by 2.3%, due to increased consumption of energy and fuel in the plant in Byšice, which dominates the overall footprint (88%). Significant reduction of energy consumption and carbon footprint in previous years ensured the preservation of brand "Reducing CO<sub>2</sub>". Greenhouse gas emissions from energy consumption (Scope 1 and Scope 2) decreased in 2015 (compared to 2012-2014 average) by 8.2%. These emissions represent 62% of the total climate burden. A significant source of emissions is the production of sludge (31%). Vitana, a. s. managed to achieve a decline in relative indicators - carbon footprint related to production volume. Carbon footprint relative to turnover rose annually by 4.3%.

RECOMMENDATION

**13. 12. 2016**

DATE

**Praha**

PLACE



SIGNATURE