



1. Total carbon emissions in 2025 in scope 1 and 2 in tCO₂e

1.1. Scope 1 emissions covering fuel consumption by Bialystok University of Technology vehicles

TABLE 1. List of fuel consumption by Bialystok University of Technology in 2025

Fuel type	Volume in liters	Mass per liter of fuel	Quantity in kilograms	CO ₂ equivalent of 1 liter of fuel in kilograms	tCO ₂ e per year
Diesel	8 908.57	0.84	7 483.2	2.64	19.76
Petrol	4 951.81	0.7475	3 689.1	2.35	8.67
SUM					28.43

1.2. Scope 2 emissions associated with indirect generation through consumed electricity and heat

TABLE 2. List of electricity consumption by Bialystok University of Technology in 2025

Facility	Consumption per year in [MWh]	tCO ₂ equivalent per 1 MWh	tCO ₂ e per year
Campus	4 627.506	0.597	2 762.62
Facility in Hajnówka	38.288		22.86
Hołny Mejera Facility	49.452		29.52
Architecture Facility	116.689		69.66
Kleosin Facility	245.143		146.35
SUM	5 077.078		

TABLE 3. List of heat consumption by Bialystok University of Technology in 2025

Facility	Heat consumption in [GJ]	Heat consumption in [MWh]	tCO ₂ equivalent per 1 MWh	tCO ₂ e per year
Campus	40 053	11 125.833	0.304	3 382.25
Facility in Hajnówka	281	78.056		23.73
SUM	40 334	11 203.889		

1.3. Total emissions for 2024 based on Scope 1 and 2 emissions

TABLE 4. List of tCO₂e emission produced by the Bialystok University of Technology in 2025

Media type	tCO₂e per year
Fuels	28.43
Electricity	3 031.02
Heat	3 405.98
SUM	6 465.43

2. Relation of total emissions to overall indoor area in tCO₂e/m² for 2025

TABLE 5. List of total CO₂ equivalent production by Bialystok University of Technology in 2025 per unit area

Total emission tCO₂e per	Overall area in [m²]	tCO₂e/m²
6 465.43	128 882.38	0,05