



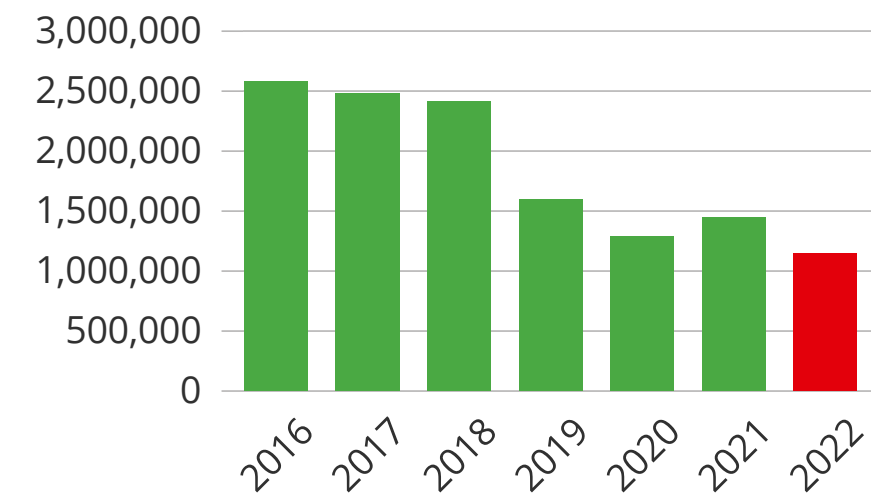
ENERGY TARGETS
26% lower energy consumption in 2024
 compared with 2018

ENERGY REQUIREMENT

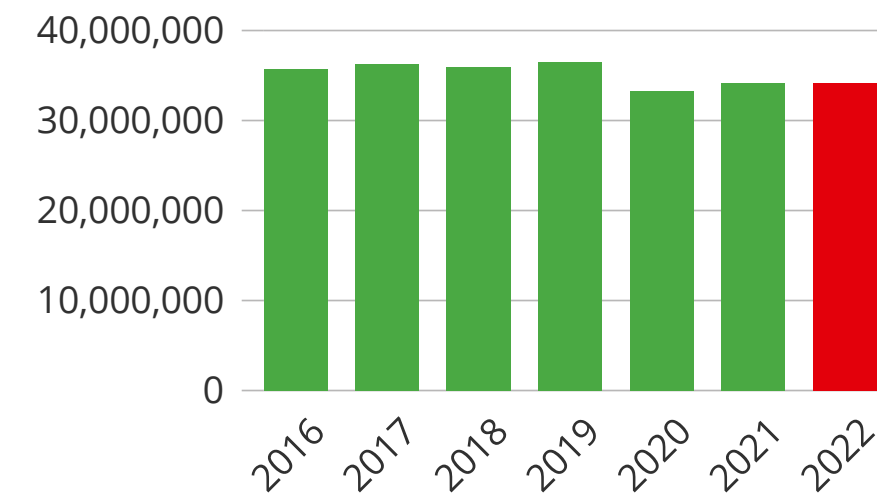
ENERGY REQUIREMENT Campus consumption

Energy consumption on campus refers not only to heating, cooling, ventilation and lighting buildings, but also to ICT and research. ICT demands increasing amounts of energy.

Campus gas consumption in m³



Campus electricity consumption in kWh

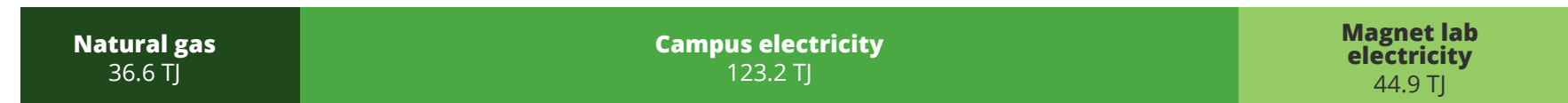


ENERGY REQUIREMENT Magnet lab

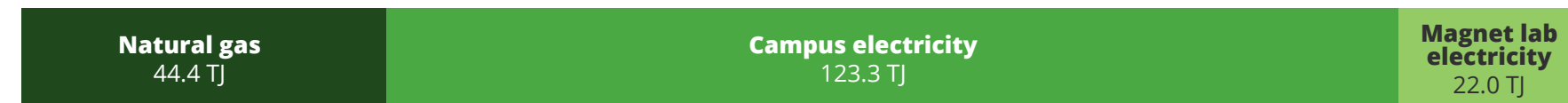
The High Field Magnet Laboratory (HFML) works with super-strong magnets that are unique in the world. As these consume large amounts of energy, the HFML has **its own 50kV connection**.

FACTS

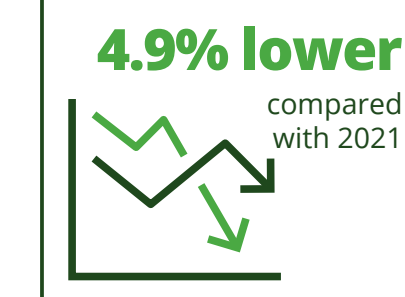
Energy distribution 2022



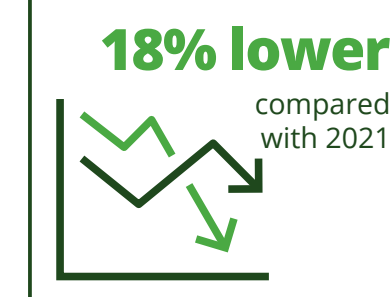
Energy distribution 2021



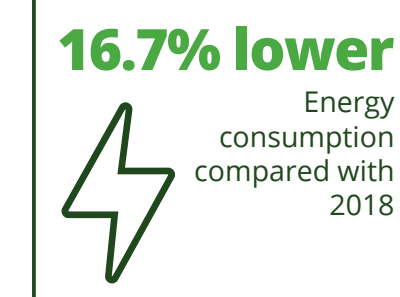
Energy consumption



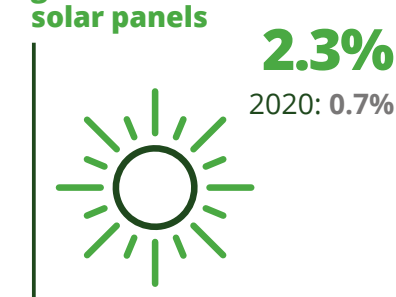
Gas consumption



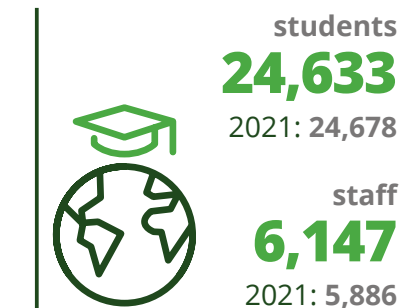
Intermediate level in 2022



Share of electricity generated with own solar panels

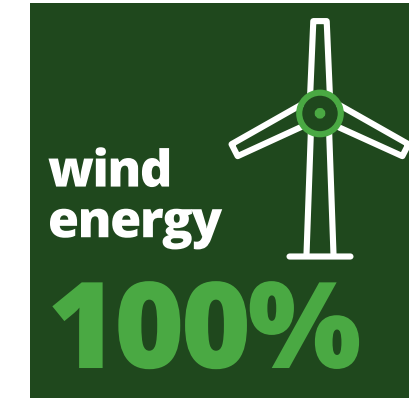


Number



ENERGY SUPPLY

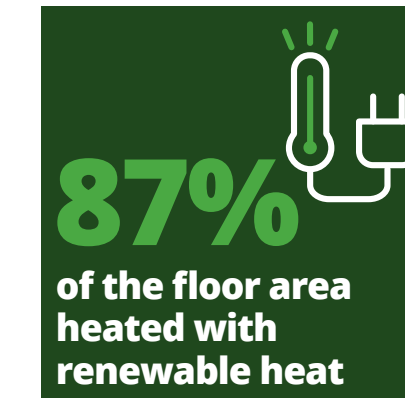
ENERGY SUPPLY Green electricity



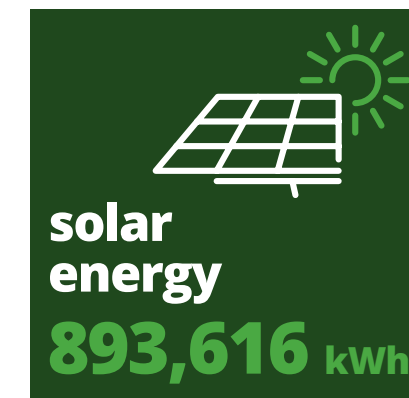
All the electricity on campus is green electricity. It is generated from the wind turbines of the Geefsweer wind farm in Groningen.

ENERGY SUPPLY Ground-coupled heat exchange

Seven existing buildings were connected to the Hybrid Energy Grid in 2022 and are now also making use of sustainable heating from ground-coupled heat exchange (WKO). **87% of the floor area** is being heated in this way.



ENERGY SUPPLY Onsite solar energy



The campus generated **893,616 kWh** of solar power in 2022; this year too, this was more than the year before. This output is equivalent to the annual electricity consumption of **360 households**.

ENERGY TARGETS Hybrid energy grid

The development and expansion of the Hybrid Energy Grid mean that the university has **saved** as much as **65%** on gas by 2022.

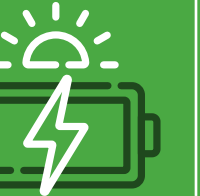


ENERGY TARGETS LED'S GO

Conventional lighting is giving way to LED lighting all over campus. Savings on **electricity consumption** reached **65%** for lighting in 2022.

ENERGY TARGETS Solar panels

More solar panels will be added in 2023 and 2024. They will be installed on the roofs of **six campus buildings**, and one building will have them on its facade.



ENERGY TARGETS Long-term targets

All buildings will have energy label **A+++** by 2050

Radboud campus to **stop using natural gas** by 2035

And to have **residual heat** available for **third parties** by 2050



Campus Energy

Would you like to know how much energy your building uses? Take a look at <https://campusenergie.nl/> where you can track consumption almost in *real time*.