



DO YOU WANT TO
SAVE ENERGY AND
THE PLANET
AT THE SAME TIME?

GELCLAD

January 2021



Buildings in the EU are quite old - a third of them are over 50 - and wasteful of energy. Buildings are at the heart of our pledge to make Europe climate neutral by 2050.



The European Green Deal is the EU's commitment to become the 1st climate-neutral continent by 2050.
Research & innovation holds the answers – let's bring them to life!

Buildings are energy inefficient, accounting for 36% of CO₂ emissions and 40% of all the energy we consume in Europe.

in the EU
±40%
of consumed
energy comes
from buildings



in the EU
36%
of the CO₂
emissions come
from buildings



The **GELCLAD** project team have harnessed new construction techniques to create cost-effective, easy-to-install eco-panels that can be fitted to the outside of old and new buildings. The panels' aerogel provides 45% better insulation than conventional materials, drastically cutting energy consumption and CO₂ emissions.

More of these uplifting stories are coming soon. Stay tuned!

#EUGreenDeal

Learn more about this [success story](#)
[Project info](#)

Find out more about the [European Green Deal](#)

© European Union, 2021
Images: © Krakenimages.com # 399179593, 2020; MicroOne # 305386384, 2019.
Source: StockAdobe.com
Icons © Flaticon – all rights reserved.

ISBN 978-92-76-28615-8, doi:10.2777/42041, KI-02-21-016-EN-N



Publications Office
of the European Union

Research and
Innovation