Societal Impact of Gallium Nitride

Energy & Environment



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60 TWh

forecasted annual UK energy saving due to GaN LED and power devices.

30M tonnes

forecasted annual UK CO₂ emission reduction due to GaN LED and power devices.

25%

potential reduction in electricy consumption and CO₂ emission globally due to GaN LED and power devices.

Education



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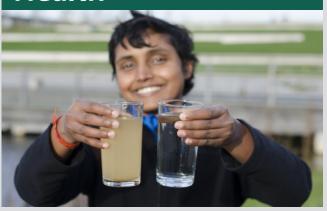
1.5 billion

people around the world who lack access to electricity grids could benefit from GaN LEDs due to their low power requirements. Good lighting makes it easier for children to study after dark, helping their education.



designed by Dandan Zhu (dz218@cam.ac.uk) 2016 Cambridge Centre for Gallium Nitride, University of Cambridge

Health



Millions

lives in the developing world could be saved using UV-LEDs as an efficient and effective way to purify drinking water.

24 Hours

human biological clock can be matched with circadian rhythm lighting created in the most effective and appropriate way using LEDs.



GaN provides policy solutions for government in many of these areas.



