

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 electricity consumption and CO₂ emission globally due to GaN LED and power devices.

Education



Mathieu Young photo with permission

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.



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.

Policy

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