

# Nuclear energy is an important tool in the *fight against climate change*



Climate-friendly electricity produced in Hungary is mainly from nuclear energy.



Paks II. Nuclear Power Plant Ltd.  
7031 Paks, Pf. 116  
+36 75 999 200  
info@paks2.hu • www.paks2.hu



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Nuclear power is the major source of climate-friendly electricity in Hungary. Almost three quarters of Hungarian carbon-free electricity is produced by the four units of the Paks Nuclear Power Plant.

The two new NPP units of Paks will contribute to the long-term use of nuclear energy. Nuclear power plants, just like solar, wind and hydro-electric power plants, do not emit carbon dioxide during their operation and thus are important tools in the fight against climate change.

According to the analysis of UN Intergovernmental Panel on Climate Change (UN IPCC), the life cycle carbon footprint of nuclear power plants is the same as wind farms. This is more favorable data than concerning solar power plants. In case of nuclear and wind, this figure is 12 grams of CO<sub>2</sub> per kilowatt-hour, 40–48 grams for solar and in case of fossil power plants it can reach up to 500 or even 1000 grams.

Compared to renewables, the constantly evolving nuclear power plants, having a long history of technological background, are at least equivalent in almost all indicators and in some aspects (independent of the weather, well predictable, high capacity) NPPs are much better than renewables.



For further information about the project, please scan the QR-code!

