## MENA Deserts Ensure Sustainable Energy Security of MENA and Europe Countries

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## Abstract

In this article, a particular attention is being given to first the Middle East & north Africa Deserts (MENA) in terms of solar potential capability in that it could capture enough solar energy to meet the entire world's energy needs using Very Large Scale- Photovoltaic (VLS-PV) system, second to its possibility of attracting inhabitant for accessing to a good quality life, agriculture and energy infrastructure

It was calculated the MENA deserts irradiation compared to world energies, MENA deserts solar net energy potential using VLS-PV, annual energy needs for sustainable development of MENA countries (2030), annual energy needs for of Europe countries (2030) and the number of inhabitant according to used area of MENA deserts for greening and repopulation.

Keywords: Photovoltaic, solar, energy, Sustainable development, Sahara, sand.