

A HYBRID WIND-HYDRO SYSTEM

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Abstract: *Adapting a wind turbine to a pump involves an electro-energetic chain with many variables. To simulate the system is needed a mathematical model for each element of the transmission chain. It was established a minimum wind speed under which the system can not function. A global efficiency of the system is determinate and two possibilities for increasing the efficiency are presented.*

Key words: *wind energy, hydro pump, electro-energetic chain, power, efficiency.*

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