Title of the presentation: Blue Energy in the Future - Energy Storage

Speaker: Mgr. Igor Barna

Innovative solutions for the production of electricity from renewable energy sources are receiving more and more space for their implementation and raise legitimate attention to the casual and professional public.

One such solution is the use of the opportunities provided by the use of advanced forms of electricity storage offered by batteries BLUE ENERGY - BE.

Great asset and uniqueness of battery BE compared to other currently used batteries is due to their composition (based on salt water), their safety (explosion proof), respect for the environment (no toxic), high charging and discharging efficiency, almost zero operating costs, variability and flexibility of solutions according to clients needs and the associated possibility of robust solutions according to the required performance.

Use of electricity stored in the battery BE has a number of indisputable advantages. It is a solution to energy self-sufficiency through off grid solutions, eliminating fluctuations in the grid supplying continuous electrical power in the expected volume which substantially affect the reduction of risk associated with damage caused by unstable power supply.

All attributes of using the battery BE imply recourse to the elimination of black outs in cities, regions and states, which involve huge economic losses, but mainly reduce the number of human casualties resulting from these situations.

One of many other utilization's is the use of a unique electrical ELECTRIC BASE STATION, which is designed to supply the electricity directly to the consumer, and also able to store electrical energy and deliver it at the time when the consumer actually needs it. Using electric stations BES can quickly and efficiently deliver power even in areas with very difficult conditions for the supply of electricity or into areas where the possibility of delivery of almost zero, ie effectively solve the rural electrification.

Electrical stations BES can in its ability be effectively used to deal with natural and humanitarian disasters as a quick source and storage of electricity that significantly reduce the risks arising from those situations.

Another possible application of the technology BE is in the area of development of telecommunications infrastructure in locations with harder accessibility, which mainly use fossil fuels as a source of electricity. Elimination of fossil fuels in such areas is a suitable application for the use of alternative sources of production and storage of electricity.

EMEL energy a.s.

web: energy.emel.sk
mail: energy@emel.sk

adresa: Polešovice 242
687 37 Polešovice
Česká republika