

Pristopi pri uvajanju daljinskega vodenja in nadzora razpršenih proizvodnih virov

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Povzetek – V referatu je obravnavana problematika uvajanja daljinskega vodenja in nadzora razpršenih proizvodnih virov z vidika vpliva na obratovanje proizvodnih virov, kakor tudi vpliva na obratovanje distribucijskih omrežij z razpršeno proizvodnjo. Podani so pregled lastnosti tehnoloških rešitev in sistemov ter smernice pri uvajanju sistema daljinskega vodenja in nadzora. Kot primer iz prakse je predstavljen projekt, v okviru katerega smo realizirali sistem vodenja in nadzora malih hidroelektrarn in sončnih elektrarn v podjetju Elektro Ljubljana OVE d.o.o. Sistem temelji na razširljivi in prilagodljivi platformi, ki v končni fazi omogoča integracijo raznovrstnih proizvodnih virov in odjemalcev v navidezno elektrarno.

Approaches to the introduction of remote monitoring and control of distributed generation sources

Abstract – The paper addressed the problem of introducing remote monitoring and control of distributed generation sources in terms of impact on the operation of generation sources as well as affect the operation of distribution networks with dispersed generation. We present the overview of the characteristics of technological solutions and systems, and guidance in the implementation of the remote monitoring and control. As an example of good practice presented a project in which we implemented a system for remote monitoring and control of small hydro and solar power plants in the company Elektro Ljubljana OVE d.o.o. The system is based on extensible and flexible platform, which ultimately enables the integration of multiple generation sources and controllable loads in the virtual power plant.