

S3-2 Full Smart Grid Architecture: How Flexible Distribution to Answer the New Factors

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Abstract

Smart Grid applies to the whole electric network; hence it might rather be called Smart Grids. We see an evolution from the traditional one-way energy only grid towards a two-way energy+ data flow Smart Grid. The Smart Grid combines electricity and IT infrastructure to integrate and inter-connect all users in order to continue to efficiently balance demand and supply over an increasingly complex network. There are five domains in the Smart Grid, this paper focuses on the most important domain: Flexible Distribution. and explain innovative flexible distribution solution and functions when meet distributed micro-grid management, self-healing network and demand response. Also give answer to management modern MV/ LV network.