Distributed energy systems rome

The paper presents a case study concerning the establishment of renewable energy communities in the Northwest area of the Municipality of Rome, with the design of properly tailored shared photovoltaic ...

Through simulation at three levels of detail, this study identifies elements to assess the feasibility of RECs and to elaborate scenarios to support their planning and dimensioning.

In this article, the clean energy transition of a district HES with multiple energy vectors in conjunction with energy production and storage systems is discussed, with the aim of deciding the ...

This paper presents an innovative conceptual framework in order to establish, communicate and disseminate these new system properties in a Distributed and Renewable energy system.

The implications of the new system properties in the realm of urban design are often neglected. This paper proposes a simplified procedure to reconcile DRIs and urban patterns. This procedure is ...

The methodology involved the selection of three case studies in Rome analysing the feasibility, programming and design scale, and the implications of planning RECs.

Distributed, Renewable and Interactive energy Systems (DRIs) are revolutionizing the concept of infrastructure by introducing a set of new properties. The implications of the new system properties in ...

Large-scale integration of solar energy technologies in Rome"s built environment epitomizes the needed general adoption of distributed generation via functionalization of buildings of all size and end use ...

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