

AGENT BASED MICRO GRID MANAGEMENT SYSTEM

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ABSTRACT

A micro grid could be defined as a set of generation, storage and load systems electrically connected and complemented by a communication system to enable control actions and follow up surveillance. A Micro Grid Management System has been developed using agent based technologies for the effective management of generation and storage devices connected to a LV network. The effectiveness of the proposed architecture has been tested on laboratory facilities under both micro grid configurations: connected to the main network mode and islanded mode.