



**Distributed Renewable resources Exploitation in electric grids
through Advanced heterarchical Management**

	<i>Agent-based distribution grid operation based on a traffic light Concept</i>		
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ABSTRACT:

Compared to a centralised grid operation management for the distribution grid, a distributed and decentralised agent-based operation has a lot of advantages, like scalability, modularity and robustness. We propose the concept for an agent-based distribution grid operation management based on a traffic light concept. Depending on the situation in the grid, the operation management can be in different modes, which define the way how the grid is operated.