

Reconfiguration and placement of capacitors in the distribution system by considering the uncertainty of the load by the algorithm WhaleSupervisor:

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Abstract The redesign of a radial distribution network (RDS) is carried out under supervisory and data monitoring systems, with the latest voltage status and minimum power loss (KW) among different sectors. A set of distribution systems is a set of different loads, such as: industrial, commercial, Home lighting, lighting, and so on. Each of these cases has a different time difference its peak point, causing overload and voltage drop, which is considered a factor in the voltage drop. Solving this problem depends on determining the best combination of feeders in each RDS (for switching)

Keywords : Network redesign, distribution networks

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