

Live-line working in distribution network automation



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Integrating simulation modeling, visual recognition, and motion control, this advanced robot excels in live-line disconnections, dual bridge bypass, and even tree trimming. Ground ...



In this study, an autonomous robot navigation system is designed for live working on distribution line. The developed system features a real-time detection and motion planning system, ...



Algorithms and five key technologies of live working robots for distribution networks in the visual servo control system.



With the growing demand for electricity, live-line working for distribution network has gained increasing attention worldwide to ensure uninterrupted power supp



This is done by providing utilities with information, software and other support tools on safe and effective live working practices, tools, technical reference, and new technologies.



This paper proposes a hybrid arm-based live-line auxiliary working robot for live working in a distribution network. One-button automatic leveling can be achieved by applying remote control and local ...



This paper studies and designs the appearance structure, hardware composition, software system, operation process and field test of the live working robot of distribution network.



In this paper, a configuration of live working robot for distribution network based on the master-slave control algorithm with large delay and weak rigidity is proposed, which can be used to solve the ...

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