

变电站自动巡检机器人驱动系统

中文摘要

在电力系统中变电站设备的种类和个数尤为重要。初始的人工巡检有着诸多弊端，在日常的变电站系统的维护中，保证电力系统安全是关键。变电所核心职责为保养巡检电缆与日常检查，以及变电站内设备维修。科学领域的不断完善和智能化层次发展迅速，巡检机器人在变电站中被看作是独立自主的系统重要的组成部分，并且拥有不断优化的价值和发展意义。机器人之所以能发展这么迅速，其中不断执行变电站优化，从而电力系统的基本安全得以保障。变电站机器人在固定轨道不断运转。对变电站机器人进行深层次的研究，对机器人整套的检测系统，进行有效的推广。

关键词：巡检；保费收入；变电站；ICCAVR 软件

Abstract

The types and Numbers of substation equipment are particularly important in the power system. The initial manual inspection has many disadvantages, in the daily maintenance of substation system, to ensure the safety of the power system is the key. The core responsibilities of the substation are to maintain and inspect the cables and carry out routine inspections, as well as to maintain the equipment in the substation. With the continuous improvement of science and rapid development of intelligence level, patrol robot is regarded as an important part of independent system in substation, and has the value and development significance of continuous optimization. The reason why the robot can develop so quickly is that it continuously performs substation optimization, so that the basic safety of the power system can be guaranteed. The substation robot runs continuously on a fixed track. The robot of substation is studied deeply, and the detection system of the robot is promoted effectively.

Key words: Inspection; Premium income; Substation; ICCAVR software

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