

The Application of SF₆ in Transmission and Distribution Networks



SF₆ is essential for the transmission and distribution equipment and switchgear, because of its excellent dielectric, arc quenching, heat transfer and chemical recombination properties.

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March 2014	Introduction
Contents	This paper is for the transmission and distribution equipment and switchgear because of its excellent dielectric, arc quenching, heat transfer and chemical recombination properties. This has been successfully proven since the 1960s for high-voltage equipment and since the beginning of the 1980s for medium-voltage equipment. The use of equipment and switchgear has been significantly reduced since the beginning of the 21st century. However, SF₆ technology is more than relevant in high-voltage and high-voltage load-carrying in the transmission and distribution networks. However, compared to other technologies, SF₆ technology has several advantages in terms of power transmission when small size and high voltage are required. In spite of all the technical advantages of the SF₆ technology, it is a proven greenhouse gas which is currently the most abundant in the atmosphere. The use of equipment and switchgear has been significantly reduced since the beginning of the 21st century. However, SF₆ technology is more than relevant in high-voltage and high-voltage load-carrying in the transmission and distribution networks. Therefore, the use of equipment and switchgear has been significantly reduced since the beginning of the 21st century. However, SF₆ technology is more than relevant in high-voltage and high-voltage load-carrying in the transmission and distribution networks. As a result of the technical advantages of the SF₆ technology, it is a proven greenhouse gas which is currently the most abundant in the atmosphere. The use of equipment and switchgear has been significantly reduced since the beginning of the 21st century. However, SF₆ technology is more than relevant in high-voltage and high-voltage load-carrying in the transmission and distribution networks.
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