

# Etude de la Performance d'un Dispositif STATCOM Utilisée pour Compenser la Puissance Réactive au Point de Raccordement

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**Abstract :** The industrial extension during the last decades led to increasing considerable requirements in the electric power, in spite of the significant energy production. The FACTS concept "Flexible Alternative Current Transmission Systems" regroups all devices to basis of electronics of power that permits to improve the exploitation of the electric network. The technology of these systems "static switches" assure a speed superior to the one of the classic electromechanical systems. The objective of this paper is to study the functions of control offered by the STATCOM "STATIC COMPensator" in the regulation of the voltage by compensation of the reactive energy.

**Keywords :** FACTS, static switches, STATCOM