

Vangel Fustic
Nevenka Kiteva
Electrotechnical Faculty - Skopje
Anton Petrovski
Blagojce Trpovski
ESM - TSU, Skopje

BUSINESS ASPECTS AND MOTIVATION FOR MODERNIZATION OF POWER FACILITIES IN RM

ABSTRACT

The paper considers modernization of the control of substation with possible application in Republic of Macedonia, from the point of view of motivation of company owners and stake-holders for such investments. The emphasis is given to IT technology benefits and new opportunities in substation automation. Installation costs for Conventional Control concept versus Substation Automation concept are compared. Specific undertakings towards successful modernization are also discussed. In addition, the outcomes of the modern IT solutions are presented transparently due to step by step modernization and improvement of power system control.

Keywords: Energy Management System, Substation Automation, Control and Protection Systems, Modernization.