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## **COST-BENEFIT ANALYSES FOR INTRODUCING MODERN SUBSTATION AUTOMATION SYSTEM**

### **ABSTRACT**

This study presents a practical approach and concept in a decision making process for introducing a modern substation automation system. The concept is determined on the Cost-Benefit Analysis with categorization and identification of the costs and benefits, and possibilities for evaluation. A few main parameters are presented that directly influence the analysis such as quality parameters F-time and W-time. A special attention is dedicated to the benefits of introduced modern automation system, considering design, operation, maintenance, reliability and reduced costs.

**Keywords:** Substation Automation System, Cost-Benefit Analysis, Power System Management.