

Design and application of intelligent barring system for hydro-generating unit

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Abstract: For the existing problems such as poor measuring precision, long time consumption and lack of precise adjustment ways in the traditional manual barring method. An intelligent barring system is proposed, which is capable of measuring automatically and continuously, and generating adjustment plan by itself. In this paper, the structure, the principle and the function of data-processing platform are discussed. A relevant test has been implemented in Baiyunshan hydropower station. The result shows that this proposed barring system has the features of high generality, flexibility, convenience and high intelligence, practical proofs that the system is suitable for the hydropower station and maintenance company.

Key words: barring system; hydro-generating unit; maintenance