

Optimising Process Control for Higher Productivity in Fiberline Operations at ITC PSPD., *Unit : Bhadrachalam.*

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ABSTRACT

Increasing competition and tougher economic conditions are the challenges for the paper industry in the post globalization era. Increasing operational efficiency is the call of the day for sustaining profitability and survival. Operations have to run at best of their capacities to achieve higher productivity, more availability and best quality. Novel technologies have to be adapted in achieving these objectives. Advanced Process Control is one such tool which will reduce standard deviation of the process variables and shifts the mean closer to hardware constraints. Application of Multi Variable Process Control (MVPC) tool which has the built in intelligence to look simultaneously at two or more process variables and to choose, in a given situation is advisable. The advance control techniques push the processes to their constraints and extract the maximum from the process unit without compromising on product quality and safety. The advanced control algorithm balances performance and robustness objectives against process economics to minimize costly process movement. The implementation of advanced process control in a plant reduces process variability and allows plant to run closer to their operating constraints which in turn reduces energy use, as well as raw material and waste processing costs. It also improves product yield and quality, safety and productivity while lowering emission levels. In this direction ITC PSPD, Unit: Bhadrachalam has gone for APC and reaping the benefits.