

Integrated framework of Dynamic Simulation for Configuring Control Structure of Gas Purification process

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Nowadays, to address the regulation of greenhouse gas emission by global climate change, many engineer are focusing on high efficiency and low emission chemical plant. Integrated Gasification Combined Cycle (IGCC) is a new power generation technology with reduced CO₂ emission. The separation process in IGCC plant provides a good opportunity to reduce the CO₂ emission of overall plant. In this paper, several control strategies are proposed for the separation process of IGCC plant using Hysys Dynamic.