

Extended Abstract

The methodology of Three-Links is introduced in this paper, and Three-Links model in pulp and paper mill is established based on the research on the energy system of mills. The method is applied to a coating pulp and paper mill. The energy consumption of the system of the mill is reduced and both the energy efficiency and the exergy efficiency are improved after optimization and retrofitting. Three-links model help the mill implement the optimization and retrofitting from the system point of view and realize the global optimization of energy system finally.