

# CONVEYOR SYSTEM FOR COAL AND IRON ORE

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## ABSTRACT

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The project title that had been chosen is the 'Conveyor System for Coal and Iron Ore'. This title is related to the material handling system in a steel plant, where the material (coal and iron ore) will transfer for the storage to the furnace by using a suitable material handling equipment. In this project, the handling system will be integrated to become automatically, this will have the advantage for the firm to reduce the labor required to monitor the flow of material and also improve the efficiency of the flow.

The part include in this project is the 2 hopper that function as the storage of material, material handling equipment to transfer the material and a control system to control the entire flow of material. The material handling equipment that chosen for this project is conveyor system and the entire system will be control by suing an electronic circuit board controller. The function of controller is to control the conveyor to operate or stop. The controller will control the conveyor by depending to the temperature in the furnace.

This project is to improve the flow of material to the furnace inside the steel plant. This will bring the advantage to the steel plant to reduce the labor force require to monitor and operate the flow.