

REDESIGN A FUNCTIONAL LAYOUT IN A SELECTED FACTORY

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ABSTRACT

Design is the art of developing new ideas for the construction of various devices, which are useful to human being and use the intellectual ability to apply scientific knowledge to the task of creating new systems or products. The designing phase of the plant layout is exceptionally important. Since the factory normally must live with the layout for a long time. Any mistake in the actual layout can be very costly. Therefore, careful layout planning is of primary importance. In this engineering design project I am required to redesign the functional layout in a selected factory. This requires me to study and analyze the existing plant layout, evaluate the design of facility layout in the factory then define the weakness of the layout. Later redesign it to make the necessary changes to meet the objective of my project. The objective of this project is to promote the efficient, flexible movement among work centers, minimize the transport time and material handling cost in the functional layout.