Plant Layout Services

Available from the Center for Industrial Research and Service

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Our Philosophy

• We bring the knowledge and experience of the design process and ideas.
• The client brings their knowledge of the business and it’s operations.
• Together we will evaluate ideas & determine the optimal solutions.
Before the Project
At no cost to the client

• Contact the client to explain the process and data requirements.
• Conduct an online tool demonstration if required.
• Assist in selecting the appropriate tool(s) that best match client needs & data availability.
• Determine project parameters.
• Provide the client with a written proposal.
Project Process

- Determine the project team.
- Train the team on the tool(s) to be used.
- Data collection & process understanding.
- Team generation of ideas.
- Modeling & evaluation of ideas.
- Selection and detail of final layout.
Tools
based on the level of data available

• Proplanner
  – Flow Planner
    • Simplified Layout Planner (SLP)
    • Material Flow Analysis
    • Tow Train Tugger Route Design
  – Workplace Planner

* Tools can be used in combination with each other depending on client needs.
Simplified Layout Planner (SLP)

- Minimal data required
- Use team input to change opinions into data
- Develop relationship chart
- Determine space requirements
- Modeling to determine scores
- Factor/Consideration evaluation
Material Flow Analysis

- Required data: production history, part routings, material handling equipment data, path network.
- Data collection & idea development
- Modeling to determine travel distance, cost, # moves & labor hours.
- Cost justification.
Workplace Planner

• Station or cell layout
• Required data: Part storage locations, sequence of tasks, and work points.
• Data collection & idea development.
• Modeling to determine travel distance, cost, & labor hours.
• Cost justification.
Project Costs
Approximate

- Simplified Layout Planner - $1500. - $3000.
- Workplace Planner - $3000. - $6000.
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