



WMEP Plant Layout Services

Creating a Lean Layout

One of the Eight Wastes of Manufacturing is Excessive Transportation. It's doubly difficult to create a lean manufacturing environment if the physical plant layout you're working in causes excessive movement of materials and products. Most facilities are laid out to be efficient when they're new, and more than likely laid out around functional departments rather than process flows, but times change.

With each new addition or new piece of machinery or equipment, your production facility probably has become increasingly less efficient. Perhaps you've already decided your existing plant just won't allow you to get the job done and you are going to build a new facility.



How Lean Layout Works

To insure that your efforts at creating lean manufacturing processes are supported by the space you work in, consider a Lean Layout project. Using the value stream approach and a team of people from your facility, our plant layout specialists will:

- Create a map of the what the current flow of products or processes looks like
- Identify boundaries, assumptions, and parameters for what the new flow of products or processes might look like
- Build a consensus on the team regarding the new flow
- Create the new flow layout in hard copy
- Test the identified assumptions and flow paths
- Along with the company team, present the concept to management

The new layout will consider your plans for production scheduling (Kanban) systems, cells, and Point of Use Supply in order to fully integrate the layout with your lean strategy. If building new, the physical size, shape, cost and location of the plant will be considered.

Once the conceptual plan is approved by management, our specialists will then be available to plan the move with time fences and sequences, help you coordinate with outside movers and utilities, and create a communication plan so all employees understand what is being done and why.

Supporting Resources for Lean Layout

WMEP has made special arrangements with technical resource providers to coordinate on delivery of services in your Lean Layout project. Those resources include experts on building design, construction and costs, site planning, environmental considerations, equipment designers, and even energy use experts. All of these resources are available to you through the WMEP to insure that the move complies with applicable regulations and procedures.

We're successful because we want the same things you do including:



Cost & Efficiency - Increasing profitability through waste and downtime reductions, improved materials usage and operations, grant utilization and financial systems.



Growth - Growing revenues by reaching new customers and markets, new product development, exporting, adding capabilities through strategic hires, and improved employee productivity.



Winning Culture - Developing an environment and processes that attract and retain talent, grow employees' capabilities, and create an empowered workforce.



Certification & Compliance - Pursuing certifications that set a company apart as well as certifications needed to fulfill local, state, national and international qualifications and to achieve awards and grants.

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WMEP's Value Proposition

How we're different	Why it matters	How clients benefit
We are an end-to-end solution. From supply chains to sales, we have the capability and networks to positively impact your business.	We understand the contributions of the pieces to the whole and use this understanding to help you optimize your enterprise.	We can identify the most impactful enhancements to make to your business to help you achieve your objectives.
We have extensive experience across all major manufacturing industry sectors in Wisconsin.	Our breadth and depth of experience working on projects and companies similar to yours increases our speed and effectiveness.	It takes less time for our staff to learn your business and objectives. We apply proven solutions to your business challenges.
We are all about manufacturing. We work with everyone and anyone who is committed to the success of manufacturing in Wisconsin.	We get manufacturing, and we're ready to roll up our sleeves and get to work to help you be successful and achieve your objectives.	In addition to our talented staff of experienced manufacturers, we provide access to our extensive national networks of industry experts.
We are evaluated by the results we produce for your organization. Your success is our reward.	Our objectives are aligned. We only recommend solutions that will help you achieve your business objectives.	Since the year 2000 we have generated over \$3.0 billion in total financial impact for our state economy, averaging slightly over \$450,000 per project.

Call WMEP for more information about Lean Layout or to schedule a visit by one of our experienced plant layout specialists to discuss how your company can get started on the pathway to success.

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