

Logistics. Key technology for efficient production

Logistics is one of the key aspects of effective production and also of production and supplier management.

1. *Analysis of the product portfolio (products, dimensions, weights, etc.)*
2. *Throughput analysis*
3. *Space analysis*
4. *Material flow analysis*
5. *Incl. delivery and collection areas*
6. *Information flow analysis*
7. *Logistics solution: concept development based on 1-6*
8. *Detailed solution*
9. *Supplier selection*
10. *Installation*
11. *Implementation including commissioning and connection to the internal IT system*
12. *Integration of customers and suppliers into the logistics system*

For new logistics centers, we can also plan and implement the facility / building and the necessary infrastructure



Product design

The design defines up to 90% of the manufacturing and material costs.

Product design to production and resources can reduce costs significantly, sometimes by up to 40% and more.

The design, without changing the product function / properties, must be tailored to the existing resources, equipment, personnel and production capabilities of the company or supplier. Then the best result in terms of costs and quality can be achieved.

1. *Analyze the manufacturing capabilities*
2. *Analysis manufacturing worker skills*
3. *Analysis of Product design and manufacturing drawings*
 - *Analysis the function of product*
 - *Analysis manufacturing tolerances*
 - *Checking drawing tolerances on the necessity to achieve the product function*
 - *Analyze manufacturing processes*
 - *Tolerance chain calculation*
4. *Analysis of the manufacturing parts list*
 - *Material, Size, Quantity, etc.*
5. *Possible results:*
 - Target of 20% cost reduction can be achieved while:*
 1. *Changing the design*
 2. *Modification of the production*
 3. *Outsourcing of the production*

