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MEASURES TO IMPROVE FACTORY EFFICIENCY

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MEASURES TO IMPROVE FACTORY EFFICIENCY



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In optimizing the efficiency of a factory manufactures have the highest potential to overall improve the profit margin and to maintain a positive cash flow.

The total factory efficiency (OEE) should be used as the smallest common **factor** in performance measuring and benchmarking.

There is a lot of capital investment in factories. It requires a permanent reinvestment in technology, machinery, processes and buildings. Furthermore the investment in the human resources through qualification should not be forgotten.



MEASURES TO IMPROVE FACTORY EFFICIENCY



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Annual production volume

Product optimized and flexible production



Energy efficient buildings and machinery



Process-/ demand-optimized Logistics



Lean organization and quality processes



Factory efficiency



Reduce cost, increase output !



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Flexible and product oriented Production

Production efficiency:

- Reorganization of production process
- Improved utilization of the production

M&E efficiency

- Reduction of energy consumption with new machinery and equipment
- Demand based shop-management reducing idle times
- Demand controlled utility consumptions (lighting, heating, cooling, other utilities)

Layout efficiency:

- Optimized and flexible layout, reduction of footprint

Energy efficient building and machinery

Building efficiency:

- Improved insulation of facades, usage of insulation glazing
- Reduction of heat losses at building gates and doors.

Utility efficiency:

- Demand based control of heating / ventilation / air conditioning
- Insulation of pipes
- Heat recovery systems

Energy efficiency:

- Substitution of fossil fuels
- Renewable energies solutions



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Demand-/Process optimized Logistics

Inventory efficiency:

- Reduction of working capital
- High supply readiness

Supply efficiency:

- Demand based material supply to production
- Consumption optimized bin sizes
- Efficient Total Supply Chain Management

Lean organization / Quality processes

Quality efficiency:

- Implementation of efficient quality processes in the production flow
- High first run product quality

Improvement efficiency

- Implementation of continuous improvement processes (CIP)
- Awareness of and support from all employees with the efficiency improvement process
- Performance measuring and benchmarking in production and office
- Transparent benchmark figures

Customer care efficiency

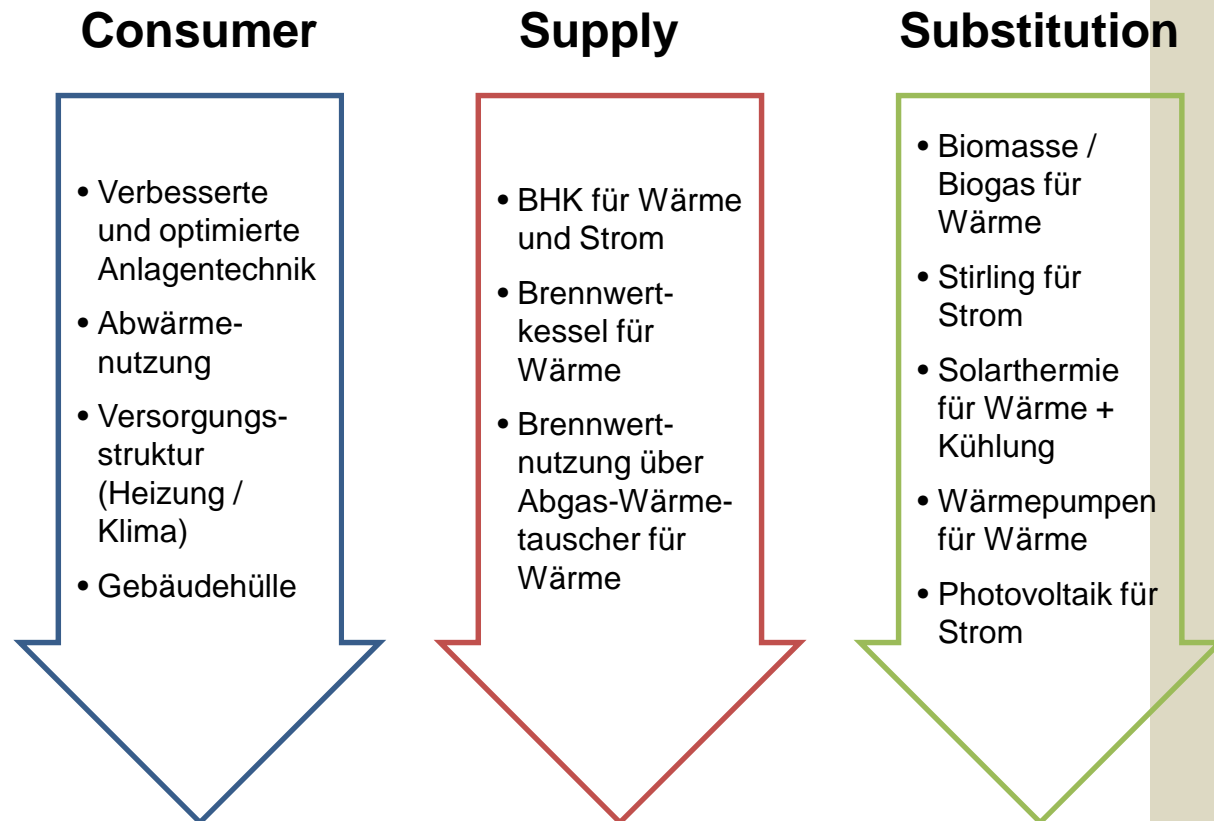
- High customer satisfaction
- High product and brand identification



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EXAMPLE: Measures for improving the energy efficiency

Goal: Reduction of fossil fuels, reduction of carbon emissions



Up to 50% total saving can be achieved with today's technology



MEASURES TO IMPROVE FACTORY EFFICIENCY

On the previous pages we just presented a brush idea of what can be done to optimize the factory efficiency. To evaluate how efficient your factory system works we have prepared a 20 point check list which gives a quick overview. Please download the check list on our homepage.

For further questions or explanations please do not hesitate to contact us.

Our experts are prepared to discuss what can be done to increase efficiency of your factory system.



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