Exercise „logistic operating curves“

1. The company Bob’s bicycle planned the operational activities according their Budget planning and got the following results for the achievement of logistic targets, Results are in the files to Bobäs bicycle

|  |  |
| --- | --- |
| **Logistic target** | **value** |
| average throughput time | 26,54 days |
| average work in process level | 6347,13 h |
| average utilization rate | 21,6 % |
| Schedule reliability | - |

The results are not sufficient and they plan improvements in the activities

One improvement is the decreasing of used work station from 37 to 10

|  |  |
| --- | --- |
| **Logistic target** | **value** |
| average throughput time | 26,54 days |
| average work in process level | 6347,13 h |
| average utilization rate | 73,5 % |
| Schedule reliability | - |

Try to find more improvement possibilty and show their impact on the results

1. Improvements

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1. results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logistic target** | **Initial value** | **Improvement 1** | **Improvement 2** | **Improvement 3** |
| average throughput time | 26,54 days |  |  |  |
| average work in process level | 6347,13 h |  |  |  |
| average utilization rate | 21,6 % |  |  |  |
| Schedule reliability | - |  |  |  |

1. in the metal production company Black metal the analysis of the welding operation shows the following results (file LOC op300) for the production data 10/2015 – 12/2015.

During that time 5412 orders were done and the company had at that process 10 workstation which worked 24h/day

Present results are:

|  |  |
| --- | --- |
| **Logistic target** | **value** |
| average throughput time | 0,36 SCD |
| average work in process level | 36,98 h |
| average utilization rate | 77,9 % |
| Schedule reliability | 41,6 % |

The overall situation is not satisfactory and in this regard, try to find more improvement possibilty and show their impact on the results

1. Improvements

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1. results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Logistic target** | **Initial value** | **Improvement 1** | **Improvement 2** | **Improvement 3** |
| average throughput time | 0,36 SCD |  |  |  |
| average work in process level | 36,98 h |  |  |  |
| average utilization rate | 77,9 % |  |  |  |
| Schedule reliability | 41,6 % |  |  |  |