Key Performance Indicators for ultimate Feed Plant Performance

BU Feed | VNCS | 2019

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(KPI)
Key Performance Indicator Definition

- A Key Performance Indicator is a measurable value that demonstrates how effectively a company is achieving key business objectives.
- Organizations use KPIs at multiple levels to evaluate their success at reaching targets.
- High-level KPIs may focus on the overall performance of the business, while low-level KPIs may focus on processes in departments
- Key Performance Indicators (KPIs) are the critical (key) indicators of progress toward an intended result.
- KPIs provides a focus for strategic and operational improvement, create an analytical basis for decision making and help focus attention on what matters most.

(KPI)
KPI measurement is consisting of:

1. Plant Performance Analysis
2. Operation and equipment assessment
3. Throughput Efficiency
4. Single Process Optimization
5. Feed Safety Analysis
6. Energy Analysis

(KPI)
Plant Performance Analysis- 4 steps

1. Pre-assessment of the plant status
Customer questionnaire /
Data from digital services

2. On-site analysis
Assessment of the plant status
by Bühler technologists

3. Reporting
Summarizing findings and
recommendations for improvement

4. Implementation – GeaR Up!
Implementation of recommendations
GeaR Up! the production, increase efficiency

(KPI)
Operation and equipment assessment

Focus:

- Status of the equipment
- Operating practices

Benefits:

- Increase the longevity of your equipment
- Reduce cost by optimizing the usage of wear and spare parts
- Plan your plant downtimes and capital investments more predictable

(KPI)
Throughput Efficiency

Focus:

- Identification of bottle-necks
- Stabilization of processes
- Improvement of product quality

Benefits:

- Increase the throughput of your plant
- Reduce production waste by optimizing the process efficiency
- Increase your profit margin with consistency high quality finished product

(KPI)
Single Process Optimization

Focus:

- Focus on a single process
  (e. g. grinding, pelleting, cooling)

- Optimization of the process including all relevant topics
  (efficiency, energy and feed safety)

Benefits:

- Solve the main problem in your production process

- Increase process stability

- Enable your operators

(KPI)
Feed Safety

Focus:

- Risk for contaminations and cross-contaminations
- Condensation control
- Kill step

Benefits:

- Mitigate feed safety risks such as product recalls and plant shutdown
- Increased feed safety awareness and practices
- Ensure feed safety compliance with the latest legal and retailer regulations.

(KPI)
Energy Analysis

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Ingeniös aus Leidenschaft

Focus topics:

- Compressed air: Leakage detection and repair
- Steam: Leakage detection and repair
- Optimal adjustment of the filter control
- Frequency systems

Benefits:

- Reduce your plant’s energy consumption and cost
- Increase the sustainability of the production
- Reduction of running costs - Higher profits

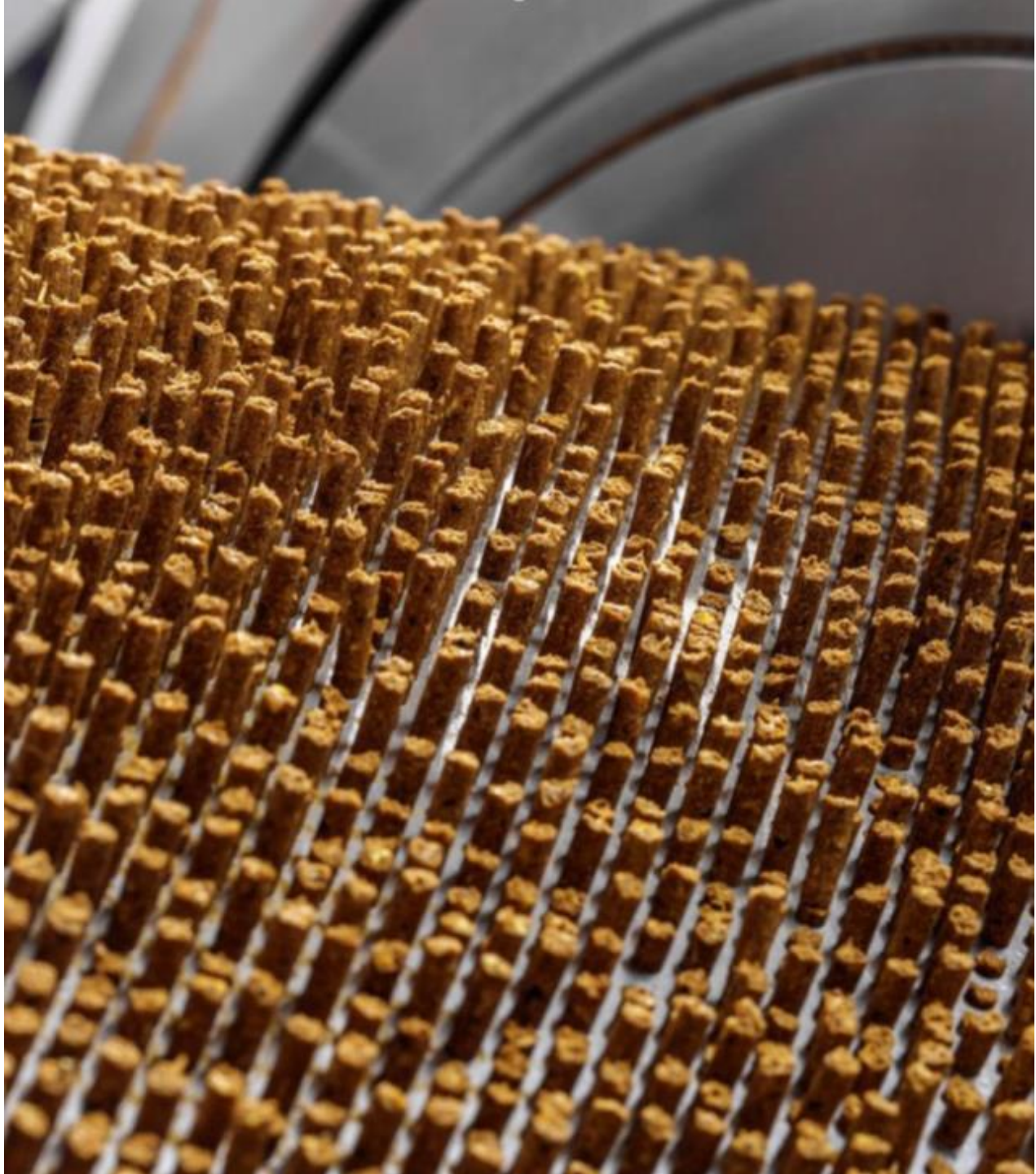
(KPI)
Conclusion, why KPI measurement?

- Monitor performance
- Measure progress
- Analyze patterns
- Adjust processes
- Tackle Opportunities

Increase Efficiency Availability

Minimize Operational risks & costs

Higher quality and Profit



Thank you for your attention!