

PRUFTECHNIK ServiceCenter

# KPI based Fleet-Monitoring

FMEA based Condition Monitoring for larger assets

- Systematic monitoring of large numbers of plants
- Key figures of specific performance assessment
- Risk weighting based on FMEA
- Key performance indicators (KPI)

Asset	KPI
,Plant01'	(1)
,Plant02'	(1)
,Plant03'	(2)
,Plant04'	(1)
,Plant05'	(1)
,Plant06'	(3)
,Plant07'	(1)
,Plant08'	(1)
,Plant09'	(1)
,Plant10'	(1)
,Plant11'	(2)
,Plant12'	(1)
,Plant13'	(1)
,Plant14'	(1)
,Plant15'	(1)
,Plant16'	(5)
,Plant17'	(1)
,Plant18'	(1)
,Plant18'	(2)
,Plant19'	(1)
,Plant20'	(1)
,Plant21'	(3)
,Plant22'	(1)



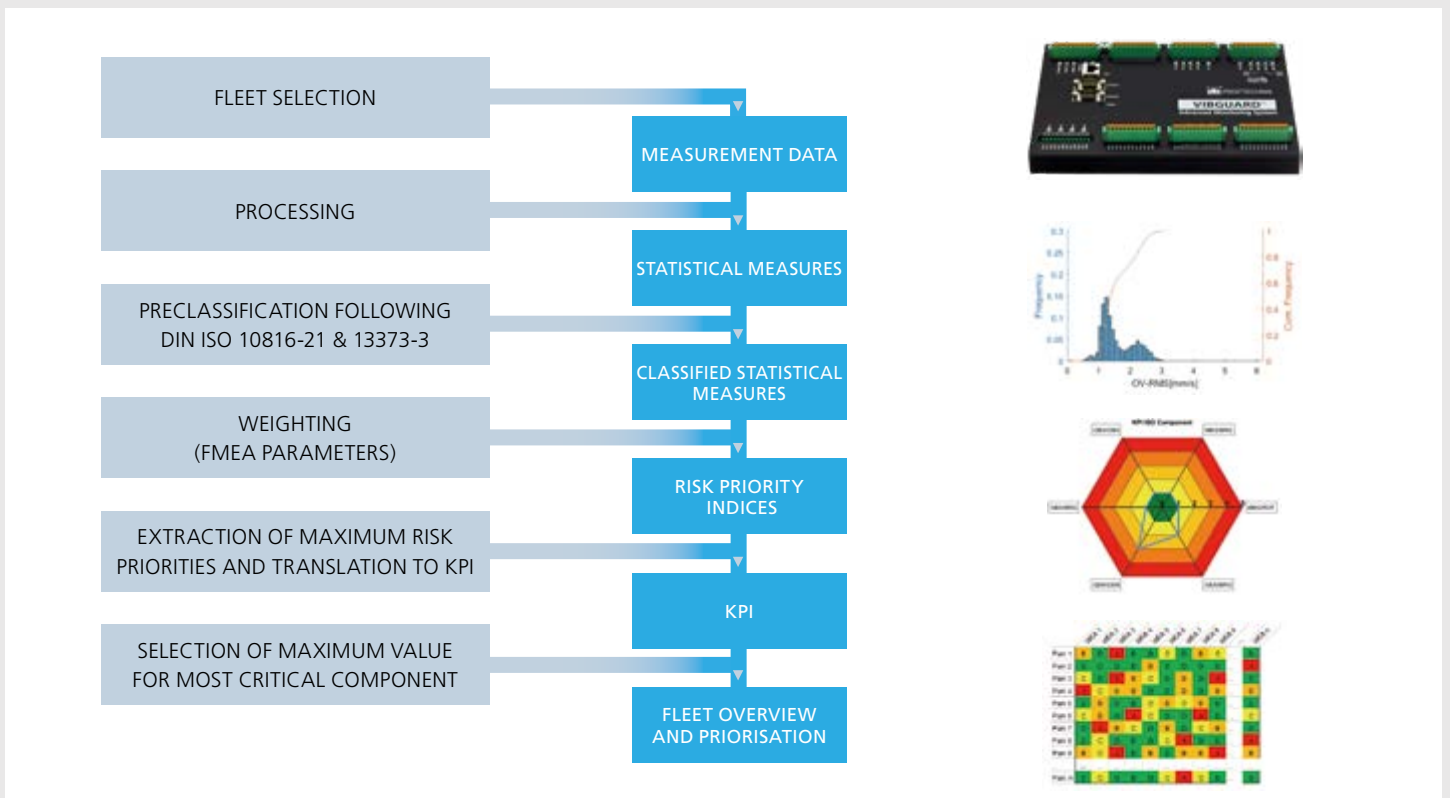
# Increasing performance through FMEA based Fleet-Monitoring

## Challenge

Most operators wish to maximize asset performance. Generally, high performance implies acceptable levels of relevant risk priorities. Such risk priorities can be determined systematically by means of failure mode and effect analysis (FMEA). Applying key figure based Fleet-Monitoring specific deviations from 'normal' performance can be identified, prioritised and systematically monitored as single values.

## Our innovative services

Vibration and process data measured on machines are systematically postprocessed and classified applying specific statistics. Also definitions and thresh values of relevant guidelines are taken into account. Through FMEA based risk weighting respective priorities are computed for each component and further merged to one key figure, the 'Key Performance Indicator' (KPI). The KPI is a single value describing asset performance with respect to machine and bearing vibrations. Changes of KPI are pointing to variation of vibration behaviour which can then be assessed diagnostically. Based on that, appropriate actions can be defined accordingly.



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