

DMT PlantSafe® – the highly flexible online condition monitoring system for industrial plants and machinery

Early damage detection on industrial plants and machinery

PlantSafe® is the online machine diagnostics system from DMT. With its selection of logging, analysis and monitoring strategies, the system supports our customers in optimising their plants, the early detection of impending damage and the prevention of unscheduled downtime and expensive consequential damages.

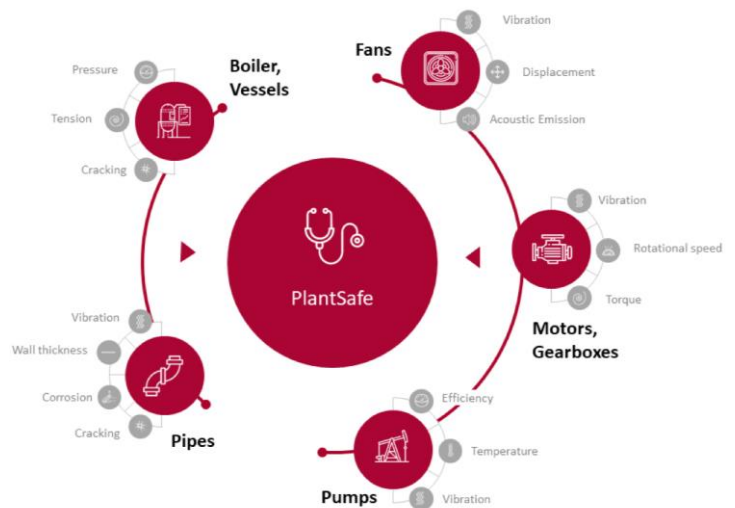
Monitoring strategy:

PlantSafe® records structure-borne noise data in real time for defined operating states, processes the signals and forms relevant parameters. From this, the current wear condition of the plant and its components can be determined and trend analyses and forecasts can be derived.

The customer's system conditions are displayed in easy-to-understand, intuitive traffic light logic. The standardized Condition Monitoring Index (CMI) is used to specify the wear.

PlantSafe® reports:

- Bearing damage
- Unbalance
- Gear damage
- Coupling damage
- Incipient mixed friction
- Assembly errors
- Impermissible operating conditions



PlantSafe® helps to:

- Detect wear at an early stage
- Avoid unplanned downtime
- Increase availability
- Prevent consequential damage
- Plan maintenance measures more effectively
- Reduce maintenance costs

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