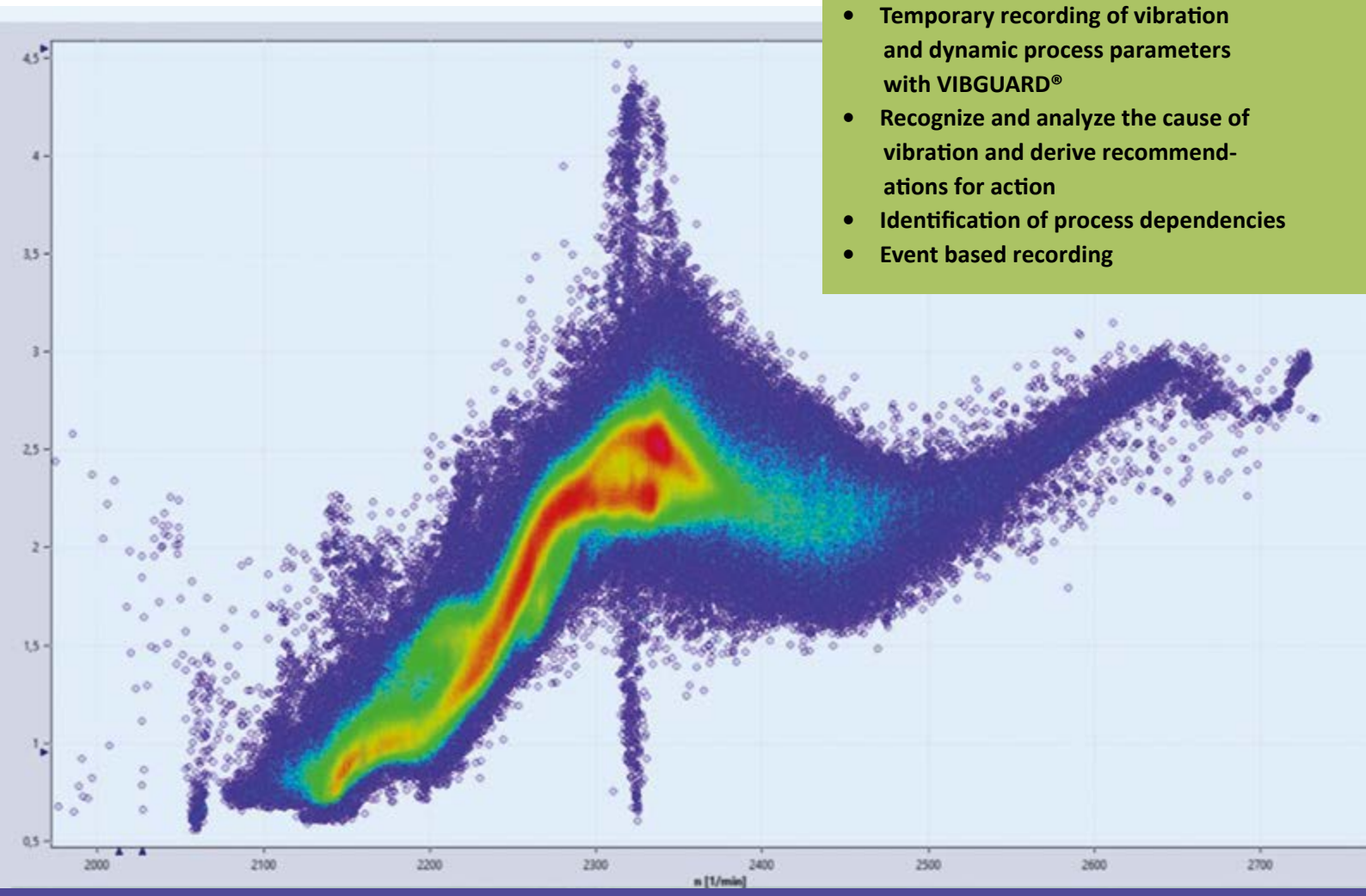
PRÜFTECHNIK

PRUFTECHNIK ServiceCenter

Analyze process and quality conditions remotely with Temporary Tele diagnosis Technique (TTS)

- **Temporary recording of vibration and dynamic process parameters with VIBGUARD®**
- **Recognize and analyze the cause of vibration and derive recommend-ations for action**
- **Identification of process dependencies**
- **Event based recording**



REMOTE MONITORING AND TELEDIAGNOSIS WITHOUT SPECIALISTS‘ SITE VISIT

MD4 – Analyze and optimize process and quality conditions remotely with TTS

Machine and plant components can negatively influence product qualities and process conditions due to increased vibrations. In the event of a sudden loss of production, not only are high cost incurred, but possible also danger for human and machine. Permanently installed vibration-based Condition Monitoring System (CMS) allows continuous monitoring of machine and process vibrations. But sometimes it is sufficient to measure and analyze only the process and vibration behavior for a certain period of time, and to control the effect of the improvements introduced. A round-the-clock vibration and process monitoring is easily possible with temporarily installed CMS.

High density data recording and event-triggered synchronous measurement makes it possible to detect a typical process and vibration states. The data is stored in PRUFTECHNIK Cloud.
The spurious vibrations are analyzed remotely by PRUFTECHNIK diagnostics specialists and we give recommendations about sensible optimizations.
There are four different TTS packages available. For the packages 1-3 there are weekly fixed rental prices (1). It is measured with VIBGUARD® CMS. The cable lengths are usually designed for 10 m.

(1) The basis for selection are the conditions according to the TTS checklist

1 TTS on Machines with short report

- 1 Laser speed sensor and up to 6 acceleration sensors
- Short report (description of task, short presentation of the measurement results and recommendations for action)

2 TTS on Aggregates with measurement report

- 2 speed sensors and up to 16 acceleration sensors or up to 16 shaft vibration signals
- 4 additional inputs for process variables
- Measurement reports (with presentation of more measurement results and in particular trend signal sequences and dependencies)

3 TTS on Plants with analysis report

- 2 speed sensors and use of acceleration, displacement and/or motion sensors.
- 4 additional inputs for process variables
- Analysis report (with depth diagnoses and depth analyzes and detailed recommendations for action)

4 Extended Measurement and expert report

- System-, displacement-, movement- and loading- analyzes of machines, units and systems (also with strain gage-based and laser-based measurement techniques).
- Large report (with task definition, presentation of the measurement results, trend analysis of the waveform, depth diagnosis, error cause description as well as detailed recommendations for action)

VIBGUARD® Portable with industrial PC for processing large amount of data

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PRÜFTECHNIK
BEWÄHRTE QUALITÄT
- Made in Germany
- Weltweite Präsenz
- Kompetenter Kundendienst
- Hohe Servicequalität

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