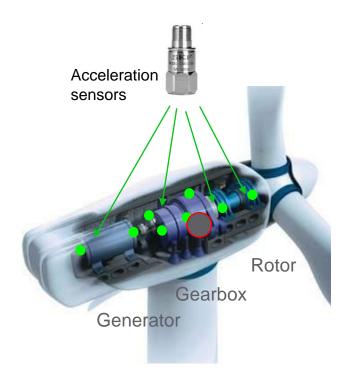
Statistical approach to improve prediction capability of CMS

Fabrice Drommi, Business Development Manager Wind, Windergy, April 2017

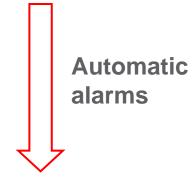


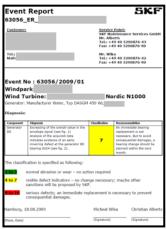
Diagnostic workflow on wind turbines





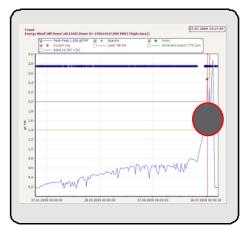






- Data analysis
- Condition investigation
- Recommendation

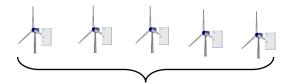




SKF RDC Remote Diagnostic Centre



Fleet analysis -> Decision guidance



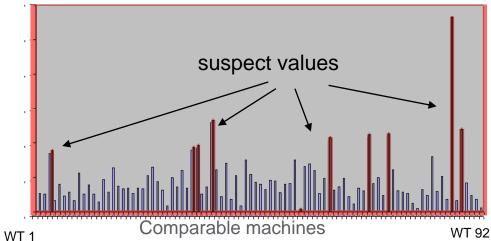
Data collection:

Approx. 2 MB /day/WTG

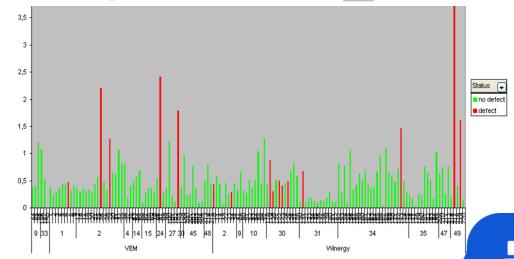


Post processing:

- Data preparation
- Filtering / selecting
- Highlighting

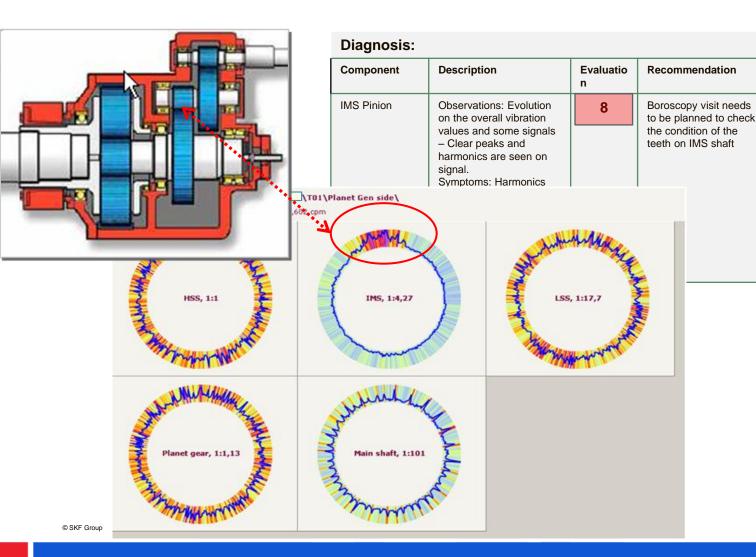


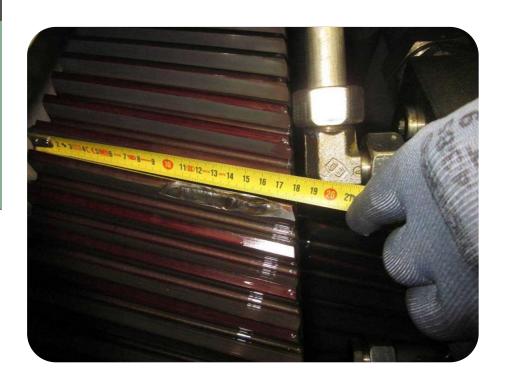
SKF Cloud Deeper analysis Reporting Filtering and correction; knowledge of machine pool





Case example; SKF @ptitude Observer Gear Inspector revealed damaged pinion – enabled timely action







Conclusion on CMS / RDS use on Gearbox

- CMS is cost effective
- Even planetary issues can be picked up
- No need of long term data analysis to get efficient findings
- CMS value is obtained with the right indicators, alarm levels, trending and visual tools like SKF @ptitude Observer Gear Inspector



SKF Imx-8



SKF Imx-W



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